

College of Health and Human Services

Grover Center

Gary Neiman
Dean

Lee Cibrowski
Associate Dean

Margaret Goodwin
*Assistant Dean for
Student Services*

<http://www.hhs.ohiou.edu/>

The mission of the College of Health and Human Services is to promote an environment within which students may pursue undergraduate and graduate degrees in health and human services fields. Programs within the college combine academic coursework with practical field and clinical experiences, providing students with basic knowledge, intellectual skills, and professional capabilities that enable graduates to think and act positively and creatively in the face of changing societal and human conditions.

Graduate Programs

Certificate Programs

Gerontology

Health Care Services Administration

Health Policy

School of Health Sciences

Master of Health Administration

Master of Health Administration/Master of Business Administration

Master of Public Health

Detailed information concerning the graduate program and possible financial support is available from the graduate coordinator, School of Health Sciences, Ohio University, Grover Center E317, Athens OH 45701-2979.

School of Hearing, Speech and Language Sciences

Master of Arts in Hearing, Speech and Language Sciences
Concentration in speech language-pathology

Doctor of Audiology

Doctor of Philosophy
Concentrations in audiology and speech language-pathology

Detailed information concerning graduate programs and possible financial support is available from the coordinator of professional programs, School of Hearing, Speech and Language Sciences, Ohio University, Grover Center W218, Athens OH 45701-2979.

School of Human and Consumer Sciences

Master of Science in Human and Consumer Sciences
Concentrations in early childhood education, family studies, and food and nutrition

Detailed information concerning graduate programs and possible

financial support is available from the graduate coordinator, School of Human and Consumer Sciences, Ohio University, Grover Center W324, Athens OH 45701-2979.

School of Nursing

Master of Science in Nursing
Concentrations in nurse administrator, nurse educator, and family nurse practitioner

Detailed information concerning the graduate program and possible financial support is available from the graduate coordinator, School of Nursing, Ohio University, Grover Center E365, Athens OH 45701-2979.

School of Physical Therapy

Doctor of Physical Therapy

Detailed information concerning the graduate program and possible financial support is available from the admissions committee chair, School of Physical Therapy, Ohio University, Grover Center W290, Athens OH 45701-2979, or from the Web site, <http://www.ohio.edu/phytherapy/>

School of Recreation and Sport Sciences

Master of Science in Recreation and Sport Sciences
Concentrations in athletic training education, coaching education, and recreation studies

Master of Science in Physiology of Exercise
Concentrations in physiology of exercise-research and physiology of exercise-clinical

Master of Sports Administration

Master of Sports Administration/Master of Business Administration

Detailed information concerning graduate programs and possible financial support is available from the graduate coordinator, School of Recreation and Sport Sciences, Ohio University, Grover Center E160, Athens OH 45701-2979.

Certificate Programs

All non-native speakers of English who wish to apply as nondegree for any of the certificate programs listed must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based test) or IELTS score (7.0 overall average). Tests older than two years are not accepted. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Gerontology Certificate

<http://www.hhs.ohiou.edu/>

The multidisciplinary graduate certificate in gerontology addresses the educational needs of graduate students and professionals not only in health care but a variety of disciplines who work with the aging or elderly population who have already earned a bachelor's or graduate degree. You might be interested in completing the Gerontology Certificate if you work or plan to work in business; exercise physiology; family studies; government; health sciences; hearing, speech and language sciences; medicine; nursing; nutrition; physical therapy; psychology; recreation; sociology; or social work. The Gerontology Certificate is also appropriate for students planning to continue doctoral preparation in gerontology or related areas.

The certificate program requires completion of at least 23 credit hours from the following list of courses: Aging and Health (HLTH 613); an approved practicum (HLTH 650); at least one course in the psychosocial area; and one course in the biological/health-related area. You and your advisor choose elective courses and a practicum placement in consultation with the coordinator of the gerontology certificate program.

Eligibility to Apply

The gerontology certificate program accepts students in two categories: those who have been admitted to an advanced degree program at Ohio University and those who possess a bachelor's or an advanced degree but who are not currently in a degree program at Ohio University.

If you are not currently seeking an advanced degree from Ohio University, you must meet the following requirements to be considered for unconditional admission to the graduate certificate program:

1 Earned bachelor's or advanced degree from an accredited college or university.

2 Minimum undergraduate grade-point average (g.p.a.) of 3.0 on a 4.0 scale on last 90 quarter hours or last 60 semester hours (undergraduates) or an earned graduate or professional degree.

3 Satisfactory Graduate Record Examination (GRE) or Graduate Management Admission (GMAT) scores if you do not possess a graduate or professional degree.

Application

Degree-seeking graduate student

If you are currently enrolled as a graduate student seeking an advanced degree at Ohio University, obtain an Application for Update of Program(s) from Graduate Studies, any dean's office, or the coordinator of the Gerontology Certificate Program. After completing the application and obtaining your advisor's and the program coordinator's signature, turn the form in to Graduate Studies. Each quarter on your DARS (Degree Audit Report System) you will be able to track your progress in the certificate program.

Nondegree student

Note: you must request official scores for the Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593. This requirement is waived for applicants who have already earned a graduate or professional degree.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44

University Terrace, Athens, OH 45701-2979.

1. Copy of Application Submission page or the application transaction (order) ID. When completing the application, indicate admission as nondegree in the Gerontology Certificate program.

2. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

3. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-6. Mail this envelope to: Gerontology Certificate Coordinator; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

4. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

5. An essay identifying your career goals and objectives.

6. A resume, including your educational background and professional work experience.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application.

You will need two separate envelopes for these materials.

In envelope #1 put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1. One completed, signed application (Form 1). Indicate admission as nondegree in Gerontology Certificate program.
2. One completed, signed Residency Information Form (Form 2).
3. One completed, signed Background Information & References Form (Form 3)

4. Non-refundable application fee (check, cash or money order) payable to Ohio University.

5. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

6. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7. International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Gerontology Certificate Coordinator; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

9. An essay identifying your career goals and objectives.

10. A resume, including your educational background and professional work experience.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university.

Required Courses

HLTH 613 Aging and Health (4)

HLTH 650 Practicum (1-5)

Plus one course from the psychosocial group and at least one course from the biological/health-related group. Other courses may be substituted with prior approval of certificate program coordinator.

Psychosocial Group

EDCE 638 Gerontological Counseling (3)

HCCF 562F Family Ties and Aging (4)

HCCF 580 Death and Dying (4)

HCCF 689 Self, Aging, and Society (4)

CLWR 582 Thinking About Death (5)

PSY 674 Psychological Aspects of Aging (4)

SW 586 Aging in American Society (5)

Biological/Health-Related Group

HLTH 605 Public Health and Aging (4)

HLTH 640 Administration of Long-Term Care Facilities (4)

HLTH 641 Long-Term Care Policy and Regulations (4)

HSL5 600 Communicatively Impaired Elderly Patient: Clinical Assessment and Intervention (4)

HS 591 Special Topics (1-4)

PESS 521 Principles of Aging and Physical Activity (4)

Degree-seeking students who complete the program are awarded the gerontology certificate upon graduation, and a notation of the certificate is recorded on the student's transcript. Nondegree students receive a notation of the certificate on their transcripts upon completion of certificate requirements. Upon applying for graduation (for degree-seeking students) or completion of the certificate requirements (for nondegree students), you must contact the program coordinator for verification of completion and the awarding of the certificate. For more information on course offerings or other concerns, contact the gerontology certificate program coordinator, Grover Center E156, Ohio University, Athens, OH 45701-2979.

Health Care Services Administration Certificate

<http://www.ohiou.edu/healthsciences/healthcertificate.htm>

The health care services administration certificate program is intended for health and health-related professionals who want the basic administrative and managerial knowledge that this program can provide. The certificate program exposes you to the competencies, knowledge and skills, needed to function more effectively in a variety of administrative and managerial roles throughout health services organizations. Certificate holders will be prepared to work collaboratively with professionals from a variety of disciplines to gain insights into rural and urban program administration and services in order to be able to work with both under-served and other population groups.

The curriculum will prepare baccalaureate and advanced degree graduates, clinical and allied health professionals and business degree graduates to administer programs and agencies that deliver health care and provide supportive leadership skills in a variety of health care services. The certificate program requires a minimum of 27 credit hours consisting of six graduate courses and a practicum.

Eligibility to Apply

The health care services administration certificate program accepts students in two categories: those who have been admitted to an advanced degree program at Ohio University and those who possess a bachelor's or advanced degree but are not currently in a degree program at Ohio University.

If you are not currently seeking an advanced degree from Ohio University, you must meet the following requirements to be considered for unconditional admission to the graduate certificate program:

1 Earned bachelor's or advanced degree from an accredited college or university.

2 Minimum undergraduate grade-point average (g.p.a.) of 3.0 in a 4.0 scale in last 90 quarter hours or last 60 semester hours (undergraduates) or an earned graduate or professional degrees.

3 Satisfactory Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) scores if you do not possess a graduate or professional degree.

4 Satisfactory completion of undergraduate or graduate prerequisites in statistics, management, and accounting (must obtain a grade of "C" or better) which are prerequisites for some of the required courses.

Application

Degree-seeking graduate student

If you are currently enrolled as a graduate student seeking an advanced degree from Ohio University, obtain an Application for Update of Program(s) from Graduate Studies, any dean's office, or the coordinator of the Health Administration Certificate Program. After completing the application and obtaining your advisor's and the program coordinator's signature, turn the form in to the Graduate Studies. Each quarter on your DARS (Degree Audit Report System) you will be able to track your progress in the certificate program.

Nondegree student

Note: you must request official scores for the Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593. This requirement is waived for applicants who have already earned a graduate or professional degree.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1. Copy of Application Submission page or the application transaction (order) ID. When completing the application, indicate admission as nondegree in the Health Care Services Administration Certificate program.

2. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

3. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-6. Mail this envelope to: Health Care Services Administration Certificate Coordinator; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

4. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

5. A resume, including your educational background and professional work experience.

6. A statement of goals and objectives (2-3 double-spaced typed pages), which serves as a writing sample and helps to convey to the Graduate Committee a sense of who you are, what your experiences have been, and how these factors relate to your desire to pursue a graduate certificate. Be sure to include your goals for graduate study, how your goals for study relate to what you are currently doing or your plans following graduation, and why you want to receive this certificate.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide

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In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1. One completed, signed application (Form 1).

2. One completed, signed Residency Information Form (Form 2).

3. One completed, signed Background Information & References Form (Form 3)

4. Non-refundable application fee (check, cash or money order) payable to Ohio University.

5. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MHA, please provide three copies.

6. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7. International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Health Care Services Administration Certificate Coordinator; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

9 A resume, including your educational background and professional work experience.

10. A statement of goals and objectives (2-3 double-spaced typed pages), which serves as a writing sample and helps to convey to the Graduate Committee a sense of who you are, what your experiences have been, and how these factors relate to your desire to pursue a graduate certificate. Be sure to include your goals for graduate study, how your goals for study relate to what you are currently doing or your plans following graduation, and why you want to receive this certificate.

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Required Courses

HLTH 601	Introduction to the Health Care Delivery System (4)
HLTH 603	Administration of Health Care Organizations and Systems (4)
HLTH 621	Health Care Finance (4)
HLTH 630	Epidemiology in Health Planning (4)
HLTH 638	Strategic Planning & Marketing for Health Services (4)
or HLTH 610	Program Evaluation and Assessment in Health Care (4)
HLTH 628	Health Law (4)
or HLTH 608	Health Policy (4)
HLTH 650	Practicum (3)

In order to be awarded the certificate you must complete the above courses with an overall g.p.a. of 3.0 and no grade in an individual course lower than a "C".

Degree-seeking students who complete the program are awarded the health care services administration certificate upon graduation, and a notation of the certificate is recorded on the transcript. Nondegree students receive a notation of the certificate on their transcripts upon completion of the certificate requirements. Upon applying for graduation (for degree-seeking students) or completion of the certificate requirements (for nondegree students), you must contact the program coordinator for verification of completion and the awarding of the certificate. For more information on course offerings or other concerns, contact the coordinator of the health care services administration certificate program.

Health Policy Certificate

<http://www.hhs.ohiou.edu/>

The multidisciplinary graduate certificate in health policy addresses the educational needs of graduate students and professionals in health care and related industries who have already earned a bachelor's or graduate degree. You might be interested in completing the Health Policy Certificate if you work or plan to work in business, government, health sciences, hearing and speech sciences, medicine, nursing, nutrition, political science, physical therapy, psychology, or social work.

The health care industry is currently undergoing radical modifications in order to provide services to the general population that are fair, humane, and cost efficient. The academic requirements for the certificate are not only timely but essential to individuals who will influence policy decisions in this vital area.

Eligibility to Apply

The Health Policy Certificate Program accepts students in two categories: those who have been admitted to an advanced degree program at Ohio University and those who possess a bachelor's or advanced degree but are not currently in a degree program at Ohio University.

If you are not currently seeking an advanced degree from Ohio University, you must meet the following requirements to be considered for unconditional admission to the graduate certificate program:

- 1 Earned bachelor's or advanced degree from an accredited college or university
- 2 Minimum undergraduate grade-point average (g.p.a.) of 3.0 on a 4.0 scale on last 90 quarter hours or last 60 semester hours (undergraduates) or an earned graduate or professional degree
- 3 Satisfactory Graduate Record Examination (GRE) or Graduate Management Admission (GMAT) scores if you do not possess a graduate or professional degree.

Application

Degree-seeking graduate student

If you are currently enrolled as a graduate student seeking an advanced degree at Ohio University, obtain an Application for Update of Program(s)

from Graduate Studies, any dean's office, or the coordinator of the Health Policy Certificate Program. After completing the application and obtaining your advisor's and the program coordinator's signature, turn the form in to Graduate Studies. Each quarter on your DARS (Degree Audit Report System) you will be able to track your progress in the certificate program.

Nondegree student

Note: you must request official scores for the Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593. This requirement is waived for applicants who have already earned a graduate or professional degree.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1. Copy of Application Submission page or the application transaction (order) ID. When completing the application, indicate admission as nondegree in the Health Policy Certificate program.
2. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.
3. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-6. Mail this envelope to: Health Policy Certificate Coordinator; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

4. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

5. An essay identifying your career goals and objectives.

6. A resume, including your educational background and professional work experience.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In envelope #1 put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1. One completed, signed application (Form 1). Indicate admission as nondegree in Health Policy Certificate program.

2. One completed, signed Residency Information Form (Form 2).

3. One completed, signed Background Information & References Form (Form 3)

4. Non-refundable application fee (check, cash or money order) payable to Ohio University.

5. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts

will be obtained by the Office of Graduate Studies on your behalf.

6. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7. International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Health Policy Certificate Coordinator; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

9. An essay identifying your career goals and objectives.

10. A resume, including your educational background and professional work experience.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university.

Program Requirements

You are required to complete a minimum of 21 credit hours from the following list of courses. All students are required to enroll in the core courses. You and your advisor choose elective courses.

Required Core Courses

HLTH 608 Health Policy (4)
HLTH 622 Health Care Reimbursement (4)

Select one of the following:

POLS 510 Public Policy Analysis (5)
or POLS 515 The American Presidency (5)
or POLS 540 Politics of Developing Areas (5)

or POLS 555 International Law (5)
or POLS 586 Public Budgeting (5)

Elective Courses

At least 8 hours must be completed.

ECON 513 Economics of the Environment (5)
ECON 515 Economics of Health Care (5)
ECON 520 Labor Economics (5)
HLTH 693 Special Topics Seminar (1-3)
INCO 530 Communication and Campaign (5)
JOUR 512 Ethics, Mass Media and Society (3)

May select one course from the following:

EDCE 762 Legal and Ethical Aspects of Counseling (4)
ISE 522 Seminar on Occupational Safety and Health (3)
PT 644 Legal and Ethical Issues (2)
or PT 837 Legal and Ethical Issues in Physical Therapy (2)

If you are a degree-seeking student, you are awarded the Health Policy Certificate upon your graduation if you have completed the certificate requirements, and a notation of the certificate will be recorded on your transcript. If you are a nondegree student, a notation of the certificate is recorded on your transcript upon completion of certificate requirements. Upon applying for graduation (for degree-seeking students) or completion of the certificate requirements (for nondegree students), you must contact the program coordinator for verification of completion and the awarding of the certificate. For more information on course offerings or other concerns, contact the coordinator of the health policy certificate program.

School of Health Sciences

<http://www.ohio.edu/healthsciences/>

The School of Health Sciences offers two master's degrees; Health Administration (M.H.A.) and Public Health (M.P.H.). The school, in cooperation with the College of Business has established a dual Master of Business Administration and Master of Health Administration (M.B.A./M.H.A.).

Master of Health Administration

The contemporary and rigorous curriculum in the Health Administration program prepares students for entry-

level and mid-level management positions within the fields of health administration. Graduates will obtain employment in a wide variety of facilities and settings, including, but not limited to, hospitals, nursing homes, physician practices, consulting firms, managed care organizations, and health departments. The Health Administration program offers two degree options. The Master of Health Administration (M.H.A.) degree is a 12-month (four quarters) program. The M.B.A./M.H.A. degree is a 24-month (eight quarter) program leading to dual degrees: Master of Business Administration and Master of Health Administration.

To be awarded the Master of Health Administration degree, you must earn 60 quarter hours. The maximum time allowed between the date you first initiate graduate study toward the M.H.A. and the date you complete the requirements for the degree is six years. The M.H.A. program requires prerequisite introductory courses in statistics, management, and accounting. These courses must be completed with grades of "C" or higher from an accredited undergraduate institution. Students may apply to the program prior to completion of the prerequisites, although they must be completed no later than the summer prior to enrollment.

You may transfer a maximum of 12 quarter hours of graduate credit from an accredited university providing the credit is designated graduate credit at the institution where it was taken, is letter-graded "B" or better, was earned in the past five years, and is approved by your advisor. Credit for courses taken by correspondence cannot be accepted toward the required minimum hours.

Master of Business Administration/Master of Health Administration (M.B.A., M.H.A.)

Ohio University's M.B.A./M.H.A. program is a 24-month, 120 quarter hour program. Twelve of the 120 credit hours will satisfy the requirements of both the M.B.A. and the M.H.A. An additional 60 hours of M.B.A. core courses and 48 hours of M.H.A. courses complete the dual-degree program.

The dual degree option provides a solid basis in the concepts and practices upon which health administration is based, along with a business program that stresses producing a competent, ethics-oriented general manager with the appropriate skills and expertise to manage in a competitive global environment.

The full-time Master of Business Administration (M.B.A.) program is a lock-step 72-credit hour, four academic quarter program. It begins on September 1 and ends the following August. Students who are admitted into the M.B.A. program without an undergraduate background in business must begin in June with an intensive 10-week prerequisite program.

The M.B.A. program is fully accredited by the Association to Advance Collegiate Schools of Business. Additional information on the Ohio University Master of Business Administration can be found in the College of Business section of this catalog. For more information on the M.B.A. program, contact the College of Business at <http://www.cob.ohiou.edu/grad/mba/asp>.

Eligibility to Apply

You must meet the following requirements to be considered for unconditional admission to the School of Health Sciences graduate program in health administration:

- 1** Earned bachelor's degree from an accredited college or university
- 2** Minimum overall undergraduate grade-point average (g.p.a.) of 3.0 on a 4.0 scale on last 90 quarter hours or last 60 semester hours
- 3** Satisfactory completion of undergraduate prerequisite in statistics, management, and accounting (must obtain a grade of "C" or higher)
- 4** Satisfactory Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) scores. Note: if applying for the dual degree program you must submit GMAT scores.

If you do not meet the above standards, you may be admitted on a conditional basis and informed of the conditions you must meet for unconditional

acceptance. Courses taken to meet the conditions may or may not be taken for graduate credit. If you are admitted on a conditional basis, you are not eligible for financial assistance.

Application Process

Applications for admission for full-time students, both MHA and MBA/MHA, are accepted for fall only. You must complete the application process by February 1. Part-time students are admitted to the MHA only program for any quarter. You must complete the application process by February 1 for fall quarter, November 1 for winter quarter, and February 1 for spring quarter. International students must apply by February 1.

All non-native speakers of English must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based test) or IELTS score (7.0 overall average). Tests older than two years are not accepted. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Note: you must request official scores for the Graduate Management Admissions Test (GMAT) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 Copy of Application Submission page or the application transaction (order) ID.

2 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts

will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MHA, please provide three copies.

3 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-6. Mail this envelope to: Graduate Chair, School of Health Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

4 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

5 An essay identifying your career goals and objectives.

6 A resume of your work professional work experience.

NOTE: if submitting a web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 One completed, signed application (Form 1).

2 One completed, signed Residency Information Form (Form 2).

3 One completed, signed Background Information & References Form (Form 3)

4 Non-refundable application fee (check, cash or money order) payable to Ohio University.

5 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MHA, please provide three copies.

6 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7 International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Graduate Chair, School of Health Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

9 An essay identifying your career goals and objectives.

10 A resume of your work professional work experience.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The university retains portfolios of students accepted for admission.

M.H.A. Program Requirements (60 hours)

HLTH 601	Introduction to the U.S. Health Care Delivery System (4)
HLTH 602	Information Systems for Health Services (4)
HLTH 603	Administration of Health Organizations and Systems (4)
HLTH 604	Research and Quantitative Methods for Health Services (4)
HLTH 608	Health Policy (4)
HLTH 610	Program Evaluation and Assessment in Health Care (4)
HLTH 621	Health Care Finance (4)
HLTH 622	Health Care Reimbursement (4)
HLTH 628	Health Law (4)
HLTH 630	Epidemiology in Health Planning (4)
HLTH 635	Human Resource Development & Management Within Health Care (4)
HLTH 638	Strategic Planning and Marketing for Health Services (4)
HLTH 648	Ethical Issues in Health Care (4)
HLTH 653	Managed Care (4)
HLTH 660	Management Applications in Health Care (4)

M.B.A./M.H.A. Dual Degree Program Requirements (120 hours)

Year 1 (72 hours)

Fall Quarter: M.B.A. Core I (14)

HLTH 601 Intro to the U.S. Health Care Delivery System (4)

Winter Quarter: M.B.A. Core II (14)

HLTH 621 Health Care Finance (4)

Spring Quarter: M.B.A. Core III (14)

HLTH 622 Health Care Reimbursement (4)

Summer Quarter: M.B.A. Core IV (18)

Year 2 (48 hours)

Health Administration courses: refer to the M.H.A. program requirements listed above.

Master of Public Health

Mission Statement

The mission of the Consortium of Eastern Ohio Master of Public Health (CEOMPH) program is to serve and enhance the health and well-being of the community by providing an educational program that fosters collaboration among the participating academic institutions, students, public health practitioners, and the public health system, and that prepares graduates in the knowledge, skills, and analytic capabilities required to improve the health of diverse populations and the local, state, and

national levels via community practice, research, and service.

Program Overview

The Consortium of Eastern Ohio Master of Public Health (CEOMPH) program is a partnership between the University of Akron (UA), Cleveland State University (CSU), Kent State University (KSU), Northeastern Ohio Universities College of Medicine (NEOUCOM), Ohio University (OU), and Youngstown State University (YSU). This nontraditional program is geared toward the working professionals who would like to broaden their role in improving community health, enhance current job skills, or seek career advancement.

Key features of the program include the use of distance learning for the six core courses, including interactive videoconferencing and web-enhanced teaching. Elective courses may be taken at any of the partner universities. Core courses are taught on Saturday to accommodate working students.

Students are required to take six core courses (two core courses on Saturday for three semesters):

HLTH 671	Public Health Concepts (4)
HLTH 672	Social and Behavioral Sciences in Public Health (4)
HLTH 673	Epidemiology in Public Health (4)
HLTH 674	Biostatistics in Public Health (4)
HLTH 675	Health Services Administration in Public Health (4)
HLTH 676	Environmental Health Sciences in Public Health (4)

In addition, the student is required to complete a capstone project (HLTH 698) and electives. The capstone project teams a student with a faculty preceptor and community preceptor to produce a product useful to public health (e.g., paper, evaluative report, grant, etc.). HLTH 677, Grant Writing in Public Health Practice, is offered as a directed elective to students with little or no grant writing experience. At the end of the program, students are expected to present their capstone project, a summary of courses and how public health competencies were fulfilled, and "portfolio" (a collection of accomplished activities) to a panel of faculty. The student is required to take a total of 39 semester credits or 60 quarter credits.

Core Courses are generally taught by teaching teams—faculty members for one course may come from different campuses, depending on their area of expertise in public health. Public health practitioners help plan or teach portions of courses.

This MPH degree is a general degree; however, plans for concentration tracks and joint degrees are being made for the future. The first cohort of students started Fall 1999; with Ohio University having its first cohort Fall 2004. The program has been accredited by the Council on Education for Public Health since October 3, 2003. The accreditation extends for a term of five years.

Admission Criteria

All application materials will be collected and processed through the CEOMPH program office at the Northeastern Ohio Universities College of Medicine. The information will be forwarded to the CEOMPH Admissions Committee for review and applicant selection. Students will be assigned to a "home" campus based on their preference. Course registration, financial aid and other university-specific policies will be implemented from the home campus. Students will be able to attend classes at any of the available distance learning classrooms and take approved elective courses at any campus.

The admission criteria are:

- Complete application form
- Bachelor's degree from an accredited institution
- Transcript—minimum undergraduate g.p.a. 2.75, minimum graduate g.p.a. 3.0
- Three letters of recommendation
- College level mathematics or statistics course
- College level social or natural science course
- Cover letter
- GRE scores within the last five years— may be waived for certain students (NEOUCOM Institutional code- #1903)

- TOEFL scores within the last two years if English is not language of instruction— minimum score of 550 paper-based or 213 computer-based (NEOUCOM Institutional code- #1903)

- Application fee

For more specific information regarding admission criteria, please contact the CEOMPH office at 330.325.6179 or <http://www.neoucom.edu/mph/>.

You can also contact us at: School of Health Sciences, E317 Grover Center, Ohio University, Athens, OH 45701 or 740.593.4675 or <http://www.ohio.edu/healthsciences/>.

Unique Features

- Core courses held at multiple locations via distance learning on Saturdays
- Admission process allowing access to resources and faculty from six institutions
- Networking with other public health professionals
- A practitioner focus

Course of Study

Students will complete 39-semester or 60-quarter hours of instruction. Eighteen (semester) or 24 (quarter) hours will consist of the core courses:

HLTH 671	Public Health Concepts (4)
HLTH 672	Social and Behavioral Sciences in Public Health (4)
HLTH 673	Epidemiology in Public Health (4)
HLTH 674	Biostatistics in Public Health (4)
HLTH 675	Health Services Administration in Public Health (4)
HLTH 676	Environmental Health Sciences in Public Health (4)

Program advisors will help guide students in the selection of electives (the remaining 15-18 semester credit hours or 44-48 quarter credit hours) based on career goals and interests. Electives are available on each of the campuses. Students also will be expected to complete a 3-6 hour semester (4-8 quarter) credit capstone experience (HLTH 698), in which they will partner with a faculty and a community preceptor. The program may be completed in two or more years

depending on when electives are taken. By the time of graduation, students will have produced a "portfolio" of public health competencies achieved in the program.

Courses

Environmental Health (EH)

510 Water Supply and Wastewater Environmental Health Practice (4)

Examination of processes for the development of water resources, quantity and quality requirements, preventative control measures and treatment, collection of wastewater, and treatment for disposal or reuse. Health implications of water quality stressed. 3 lec., 2 lab.

525 Environmental Health and Safety Risk Communication (4)

Hands on application of principals in communicating environmental health and safety risks to the public. Students work with current environmental health and safety issues to develop and implement risk communication plans. 4 lec.

540 Air Quality and Pollution Control (4)

Evaluating and monitoring air quality, effects of pollution control and lab procedures in air quality investigation. Special emphasis on air pollution's effects on human health and welfare. 3 lec, 2 lab.

550 Institutional Environmental Health Practice (4)

Emphasis on the institutional aspect of shelter as they relate to disease prevention and control within hospitals, nursing homes, day care centers, schools and correctional facilities. 4 lec.

690 Independent Study in Environmental Health Science (1-5)

Prereq: perm.. Advanced individual creative and scholarly work in environmental health science and closely related fields.

Health Sciences (HLTH)

510 Health Issues: U.S. Underserved Populations (4)

In-depth analysis of critical health issues germane to underserved populations in the United States. Emphasis on those groups suffering the most profound consequences of health problems and disease.

512 International Health Programming (4)

Addresses diverse, rapidly changing health problems in developing countries while exploring roles of community health professionals. Surveys program interventions and solutions that are available or under development.

518A Instructional Experiences (1-15)

Prereq: perm. Supervised practice in organizing and teaching activities in college and health related settings.

519 Health Education for the Elementary School (4)

Application of principles of curriculum development, identification of appropriate concepts and practices, and use of teaching methods and resources at elementary school level.

527 Health of Women (4)

Health needs and concerns of women within the physical, mental-emotional, and social dimensions of functioning are examined. Emphasis on women as health care and product consumers.

530 Worksite Health Promotion (4)

Examination of worksite health promotion programs. Guidelines for development of health promotion programs in corporate settings discussed.

595 School Health Problems (5)

Prereq: major/minor. Organization and administration of school health programs including school and community relationships.

600 Guided Independent Study (1-2, max 2)

Prereq: perm. Selected areas of study with written report based on research.

601 Introduction to the U.S. Health Care Delivery System (4)

Overview and analysis of the U.S. health services system, including an in-depth examination of how the system is organized, how services are delivered, and the mechanisms by which health care services are financed. *Bolon; F; Y.*

602 Information Systems for Health Services (4)

Overview and analysis of the technology, planning, and management issues associated with health care information systems, including the challenges of implementing information systems for managed care, integrated delivery systems, community health networks, and other applications. *Reed; F; Y.*

603 Administration of Health Organizations and Systems (4)

Structure, organization, and function of contemporary health care delivery organizations and systems with emphasis on managerial concepts and issues such as control, communication, leadership, and decision making.

604 Research and Quantitative Methods for Health Services (4)

Research methods and investigation in health and health care systems. Topics and problems focus on the application of quantitative methods from the perspective of the health services manager attempting to maximize efficiency and effectiveness. *Reed; F; Y.*

605 Public Health and Aging (4)

Critical assessment of the social, behavioral, and health research on the aging population with a concern for improving the elderly's quality of life.

607 Health Promotion and Health Behavior (4)

Theory and application of health promotion/education planning, implementation, and evaluation by health professions in a variety of settings. Emphasis on research related to determinants of health behavior, plus strategies and techniques used by professionals to foster human health.

608 Health Policy (4)

Focuses upon the development of public policy in the health care arena. Integrates political institutions and levels of government in terms of health policy development and implementation.

610 Program Evaluation and Assessment in Health Care (5)

Prereq: PSY 520. Introduces students to the activities of collecting, analyzing, and interpreting information so that they understand the program evaluation process. Includes a study of the resources needed to make assessments of and determine the need for, implementation of, and effectiveness/efficiency of intervention efforts in improving health care services.

611 Special Problems (1-6)

Prereq: perm. Individual research and experimentation of professional issues. Identifies pertinent problems and plans effective attack toward potential solution.

613 Aging and Health (4)

Theories of aging involving changes in structure and performance presented. Emphasis on normal

aging changes, positive mental health and aging, health promotion and maintenance of wellness, and community health.

614 Public Health Services in Underserved Rural Populations (4)

Issues related to and types of public health services in rural populations and the implications to people's health. Discussion focuses on public health services and medical care services, health needs/concerns, and health care service disparities in rural and underserved populations. Other issues include collaboration in public health services, planning public health services, and community-based research in rural populations. 4 lec.

621 Health Care Finance (4)

Prereq: ACCT 501. Explores financial administration processes within the various delivery systems and permits construction of the many financial reports.

622 Health Care Reimbursement (4)

Examines each of the payment systems in effect within each of the major groups of health care delivery systems, e.g., hospitals, nursing homes, home health programs, and so forth.

623 Management in Acute Care Facilities (4)

Prereq: MGT 500. Examines the administrative problems that are unique to the delivery of health care in acute care systems. Primary focus is on hospital administration.

624 Community Health Programs (4)

Institutional framework and activities of various agencies promoting and maintaining health of people of community, state, and nation.

628 Health Law (4)

Introduction to health care law. Examines the interface between the legal system and the health care delivery system. Considers the roles and rights of the key players in the U.S. health care system: patients, administration, governing boards, state and federal government, third-party payors, and health care providers. *Hedges; Sp; Y.*

630 Epidemiology in Health Planning (4)

Constructs rational basis for setting priorities and allocating scarce health care resources. Examines ways in which methodologically sound health statistics can be introduced into practical arena of planning health services. Covers natural history of disease, classification of disease, levels of prevention, measurement of morbidity and mortality, causal inference, sources of health care data, description of epidemiology, and application of epidemiology to disease and injury.

635 Human Resource Management Within Health Care (4)

Practical aspects of human resource management within various health care settings. Helps prepare students to handle human resource management and development issues.

638 Strategic Planning and Marketing for Health Services (4)

Prereq: 630. Designed to give students an overview of the process of health services strategic planning and marketing. Explores community and health care program specific needs assessment, planning and marketing design, business scenarios, decision analysis, feasibility studies, implementation strategies and evaluation methods.

640 Administration of Long-Term Care Facilities (4)

Overview of basic operational components and general administrative functions encountered in the management of nursing homes and other long-term care facilities.

641 Long-Term Care Policy and Regulations (4)

Covers the comprehensive rules and regulations that dominate the long-term care industry which guide the daily operations of facilities. Implications for policy changes are analyzed. *Will; F; D.*

648 Ethical Issues in Health Care (4)

Examines the dominant ethical theories and applicable principles with respect to the current significant clinical and managerial issues in health care.

650 Practicum (1–5, max 5)

Prereq: perm. Supervised work experience in various aspects of administration and operation of health and health related programs.

653 Managed Care (4)

Overview and analysis of managed care, including an in-depth examination of contemporary managed care organizations and the relationship between such entities and providers. Designed to help students recognize and understand the key issues confronting administrators and managers working for and with managed care organizations. *Hedges; F; Y.*

660 Management Applications in Health Care (4)

Prereq: 603. Provides students with an opportunity for integrating classroom learning with the problems of the practice environment. Focuses on the application of administrative skills and concepts in terms of solving problems within health care organizations and systems.

671 Public Health Concepts (4)

Prereq: MPH major. Definitions of public health, organizational structure, history, law, ethics, essential services, global programs, and future of public health. Unifying them is health disparities of population groups. 4 lec.

672 Social and Behavioral Sciences in Public Health (4)

Prereq: MPH major. Social and behavioral science concepts, diversity issues, theories of health education and promotion, applications to public health issues and interventions in reference to communication, collaboration, and strategies. 4 lec.

673 Epidemiology in Public Health (4)

Prereq: MPH major. Epidemiological methods, including study design, legal/ethical aspects, and computer applications such as EpiInfo. Methods applied in public health settings including screening, disease surveillance, outbreak investigation and community needs assessment. 4 lec.

674 Biostatistics in Public Health (4)

Prereq: MPH major. Principles of biostatistics in the context of multiple public health applications including basic and advanced statistical techniques for analyzing and investigating public health issues including disparities. EpiInfo, SAS, and JMP statistical packages used. 4 lec.

675 Health Services Administration in Public Health (4)

Prereq: MPH major. Management and administration concepts as they apply to public health entities or settings/systems that use a public health perspective in service delivery. 4 lec.

676 Environmental Health Sciences in Public Health (4)

Prereq: MPH major. Air/water quality, food hygiene, sanitation, municipal/infectious/hazardous waste, vector-borne disease, occupational health, legal and risk issues, global issues, and other special topics. 4 lec.

677 Grant and Proposal Writing in Public Health (4)

Prereq: MPH major, perm. Methods and techniques for writing and managing grant proposals to support public health programs. Emphasis on development of grant proposals, including narrative, program plan, evaluation design, time line, budget justification, identifying grant sources, managing funded projects, and developing requests for proposals. 4 lec.

690 Independent Study (1–6, max 6)

Prereq: perm. Advanced individual creative and scholarly work in health services administration and closely related fields.

691 Seminar (4)

Prereq: major/minor. Research and investigation in health and health care. Topics and problems suitable for thesis writing, methods of research, writing practice, and critical analysis of outline for research study.

693 Special Topics Seminars (1–3, max 5)

Selected topics not covered in regular offerings in health administration and closely related fields.

694A-Z MPH Special Topics (1–6)

Prereq: MPH major. Comprehensive, in-depth coverage of selected emerging issues, newly recognized needs/concerns to public health workers that are not fully covered in regular course offerings. 1-6 lec.

696 MPH Practicum (1–4)

Prereq: MPH major. Student teamed with faculty advisor and community preceptor(s) to apply public health concepts in a professional setting. Provides additional field experience for student.

697 Thesis (1–5, max 8)

Application of principles and practices to selected problems of study in the field.

698 MPH Capstone Project (1–12)

Prereq: completion of MPH core, perm. Student teamed with faculty advisor and community preceptor(s) to explore contemporary public health issues by integrating material from MPH core courses.

699 Administrative Internship (1-6)

Application of skills and principles of health administration within selected institutions or agencies facilitated in this residency program.

Industrial Hygiene Courses (IH)**500 Industrial Hygiene Sampling and Analysis (5)**

Lectures and lab to introduce field sampling and lab instrumentation and analytical methods common to industrial hygiene. Students are required to interpret readings, analyze samples, and prepare appropriate reports.

501 Hazardous Materials in the Workplace (4)

Lectures on gases, vapors, dusts, liquids, and solids and their physical and chemical characteristics. Emphasis on sampling, evaluation, and control methods. Technical reports required, including design requirements as specified by regulatory agencies.

505 Ventilation for Contaminant Control (4)

Designed to impart a working knowledge of the principles, methods, and practices of controlling worker exposure to hazardous concentrations of air contaminants and to present logical methods of design, evaluation, and maintenance of such systems.

510 Physical Hazards: Evaluation and Control (4)

Designed to provide a functional knowledge of methods used to evaluate and control noise, vibration, heat, light, and other factors affecting the health and well-being of the worker.

515 Introduction to Radiological Health: Evaluation and Control (5)

Introduction and overview of health effects of various sources of radiation including sources, evaluation, safety, and control factors.

520 Hazardous Material: Management and Control (4)

Lectures on gases, vapors, dusts, liquids, and solids and their physical and chemical properties.

Emphasis upon evaluation and control methods. Develop controls for specific cases and present them in technical reports.

690 Independent Study in Industrial Hygiene (1–5)

Prereq: perm. Advanced individual creative and scholarly work in occupational safety, industrial hygiene, and closely related fields.

School of Hearing, Speech and Language Sciences

<http://www.ohiou.edu/hearingspeech/>

The School of Hearing, Speech and Language Sciences provides academic study leading to a master of arts (M.A.) in speech-language pathology (slp), a clinical doctorate in audiology (Au.D.), and a doctor of philosophy (Ph.D.) in speech-language pathology, audiology, and in the hearing, speech and language sciences. The professional (M.A., Au.D.) programs in speech-language pathology and audiology are accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association (ASHA).

School facilities are located in Grover Center, a recently renovated building housing the entire college. Situated at the “front door” of the University, this facility includes first-class research and learning labs for our faculty and students, high-tech classrooms and student computer labs, and our state-of-the-art Hearing, Speech and Language Clinic.

The clinical program provides a variety of experiences in our new campus facility where we work closely with other disciplines, such as physical therapy. We also have many off-campus sites providing even greater opportunities to work in diverse settings with clients over the entire age span. Our campus site includes assessment and therapy rooms, a closed-circuit television system for observation and supervision, a resource/materials room, individual and group treatment rooms, and counseling rooms. Off-campus opportunities are available locally and through externships nationwide, in pediatric and adult

hospitals, rehabilitation centers, schools, nursing homes, private practices, speech and hearing centers, schools, and centers for individuals with developmental disabilities. Full-time clinical faculty and adjunct clinical supervisors carry out the on-and off-campus clinical supervision.

If accepted into either the M.A. or Au.D. program, you will be responsible for your own transportation to and from clinical sites, as public transportation in the Athens area is limited. Housing and other living expenses during your externships are also your responsibility. You also will be required to: (1) obtain CPR certification; (2) have a physical examination, including evidence of results of a recent TB skin test; (3) provide documentation of current immunization for hepatitis B (or waiver form). Because you may be exposed to infectious diseases during your affiliations, some sites may require proof of immunization for other diseases. In addition, you must purchase name tags and malpractice insurance to be eligible for participation in the clinical practice.

Eligibility to Apply

To be considered for admission, you must:

- 1** Have completed a bachelor's degree from an accredited college or university.
- 2** Have earned a minimum overall grade-point average (g.p.a.) of 3.0 on a 4.0 scale.
- 3** Submit Graduate Record Examination (GRE) scores.
- 4** Have completed a core of undergraduate courses including courses in math, biology and physical science, and pre-professional courses including introduction to communication disorders, phonetics, language development, anatomy/physiology of speech and hearing, basic audiology, and speech and hearing sciences (see M.A., Au.D., and Ph.D. programs for more details).

We encourage applicants from other disciplines to apply. If you have not met the course requirements stated above, you may be admitted on a conditional basis while completing these requirements. Upon successful

completion of these courses, you will be admitted to the graduate program and become eligible for financial support.

Application Process

The following materials must be received by February 1 to be considered for admission for the following year. Note: you must request official scores for the Graduate Record Examination (GRE) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

- 1** Copy of Application Submission page or the application transaction (order) ID.
- 2** Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.
- 3** Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-5. Mail this envelope to: Graduate Chair, School of Hearing, Speech and Language Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

- 4** Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate

study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

5 The completed supplemental information form available from the school or online at the school's Web site, <http://www.ohiou.edu/hearingspeech/gradpacket.htm>.

NOTE: if submitting a web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-9 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

- 1** One completed, signed application (Form 1).
- 2** One completed, signed Residency Information Form (Form 2).
- 3** One completed, signed Background Information & References Form (Form 3)
- 4** Non-refundable application fee (check, cash or money order) payable to Ohio University.
- 5** Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MHA, please provide three copies.
- 6** Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible).

Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7 International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 9-10. Mail this envelope to: Graduate Chair, School of Hearing, Speech and Language Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

9 The completed supplemental information form available from the school or online at the school's web site, <http://www.ohiou.edu/hearingspeech/gradpacket.htm>.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The university retains portfolios of students accepted for admission.

All non-native speakers of English must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based test) or IELTS scores (7.0 overall average). Tests older than two years are not accepted. In addition you must submit an informal tape-recorded speech sample. Send the tape-recorded speech to Coordinator of Professional Programs, School of Hearing, Speech and Language Sciences, Grover Center W218, Ohio University, Athens, OH 45701-2979. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Master's Program in Speech-Language Pathology

The speech-language pathology program provides the necessary academic and clinical experiences leading to professional certification and state licensure. Teacher licensure is also an available option. Students typically complete the 91-quarter hour program in two years. It includes a planned sequence of core courses, practicum courses, elective opportunities, ongoing clinical experiences, and a choice between one or two externships near the end of the program. Students satisfy all ASHA academic and clinical requirements for certification, including the National Teacher's Examination (Praxis) in Speech-Language Pathology as part of the degree program.

Two tracks are available. Students choosing Track A may be interested in ongoing research opportunities with faculty, leading to a thesis; or may prefer additional coursework, perhaps providing certificates in areas such as gerontology or teaching English as a second language. Track B requires completion of two externships and may be preferred by students desiring a greater variety of clinical experiences. For example, a student may choose to extern in both medical and school settings or perhaps obtain different experiences in separate medical settings. Externships are available throughout the U.S. and Canada through contractual agreements with certified professionals in those sites.

Required core courses:

HSL5 601	Research Methods in Hearing, Speech and Language Sciences (4)
HSL5 603	Neuroscience of Communication (4)
HSL5 608	Advanced Study of Language Disorders in Children (4)
HSL5 613	Developmental and Disordered Phonology (4)
HSL5 617	Disorders of Fluency (4)
HSL5 621	Disorders of Phonation (4)
HSL5 623	Advanced Diagnostic Procedures in Speech and Language Disorders (4)
HSL5 624	Neuromotor Disorders of Speech (4)
HSL5 629	Adult Neurogenic Language Disorders (4)
HSL5 640	Augmentative Communication (4)
HSL5 641	Dysphagia (4)
HSL5 652	Experimental Phonetics (4)

Students in Track A will complete the above 48 required core hours, 28 elective hours; 12 hours of graded

practica, HSL5 635; and 3 hours of externship, HSL5 636. Students in Track B will complete the above 48 core hours; 20 elective hours; 17 hours of graded practica, HSL5 635; and 6 hours of externship, HSL5 636.

Master's degree applicants who are interested in academic careers and who demonstrate excellent potential for doctoral study may request consideration for admission to a special M.A. to Ph.D. linked arrangement. The M.A. to Ph.D. linked program provides special learning opportunities to extend study through the doctoral level, but does not obligate either you or the School to subsequent doctoral study. Participants in the program also have advantageous funding opportunities. If you would like to be considered for the special admission to the M.A. to Ph.D. linked program, please tell us so and provide a brief description of your interest in doctoral study within the body of the essay that accompanies your completed application materials.

Doctor of Audiology (Au.D.)

The School of Hearing, Speech and Language Sciences offers a clinical doctorate in audiology (Au.D.) leading to professional certification in audiology.

This clinical doctorate in audiology is designed so that fulltime students typically can complete the 166-quarter hour program in four years. The program includes a planned sequence of required core courses, electives, clinical and research experiences, and concludes with a nine-month fulltime supervised externship. Students must pass the National Teacher's Examination (PRAXIS) in Audiology and satisfy the ASHA academic and clinical requirements for certification. Depending on the student's background, additional coursework may be necessary for professional certification and graduation.

There are four targeted areas of study and training in the first three years. First, didactic coursework provides the student with the foundational knowledge and critical thinking skills of the profession. Second, professional clinical training provides an informal setting to apply the knowledge learned in the classroom as well as to discuss clinical issues. Third, the

student will have direct patient contact in formal and closely supervised settings. Clinical experiences evolve in quantity, scope and complexity within a variety of supervised settings on- and off-campus providing experiences more extensive and diverse than those offered by many urban programs. Fourth, guided clinical research experiences are provided in areas such as hearing aid technology and benefits, cochlear implants, psychophysics and signal processing, diagnostic audiology, otoacoustic emissions, and physiological measures of the auditory system.

The fourth and final year of the Au.D. program consists of a full-time supervised externship. Students can select from our large nationwide network of clinical sites. The externships are available with certified professionals contingent on mutual approval by our Coordinator of Clinical Services and outside agencies. By graduation, students will have completed 400 clinical hours in addition to the nine-month full-time externship, thus exceeding ASHA standards for obtaining professional certification.

In addition to the application requirements discussed above, a personal or phone interview is required. Favorable candidates will be contacted by the School of Hearing, Speech and Language Sciences to coordinate the interview. Personal interviews are encouraged but not required.

Audiology Course Requirements:

HSL5 585	Sign Language I
HSL5 601	Research Methods in Hearing, Speech and Language Sciences (4)
HSL5 603	Neuroscience of Communication (4)
HSL5 627	Medical Aspects of Auditory Disorders (4)
HSL5 652	Experimental Phonetics I (4)
HSL5 673A	Audiological Assessment Differential Diagnosis I (5)
HSL5 673B	Audiological Assessment Differential Diagnosis II (5)
HSL5 674	Hearing Aids (4)
HSL5 675A	Electrophysiological Assessment of the Auditory System (5)
HSL5 676	Psychoacoustics (4)
HSL5 677	Bioacoustics (4)
HSL5 761	Psychosocial Aspects of Hearing Impairment (4)
HSL5 762	Rehabilitative Audiology (4)
HSL5 763	Pediatric/Educational Audiology (4)
HSL5 768	Industrial Audiology (3)
HSL5 770	Cochlear Implants (4)

HSL5 774	Hearing Aid Selection (3)
HSL5 775	Advanced Hearing Aid Technology (4)
HSL5 785	Balance Function Assessment (5)
EDRE 720	Educational Statistics (5) Electives (12)

Students will complete at least 4 quarters (approximately 11 hours) of HSL5 635A and 3 quarters (approximately 6 hours) of HSL5 635B during their first year. During the second and third years, students will complete 6 quarters (approximately 18 hours) of HSL5 735A and 6 quarters (approximately 12 hours) of HSL5 735B. During the summer of the second year, students will complete a full-time externship, HSL5 790, for a minimum of 3 hours. In the third year, students will enroll in a research practicum, HSL5 801 for a minimum of 21 hours. During the fourth year, HSL5 890, a full-time, yearlong externship will be completed for at least 9 hours.

Doctor of Philosophy

The Doctor of Philosophy (Ph.D) degree emphasizes the academic discipline of research. The Ph.D. is granted on evidence that the candidate has achieved a high level of scholarship and proficiency in research. The Ph.D. requires far more than successful completion of a prescribed amount of course work. The student's competence, ability to work independently, and to write effectively are established by academic course work, written and oral examinations, and evidence of research success. The School of Hearing, Speech and Language Sciences emphasizes the development of specialized skills consistent with the career aspirations of the candidate, provided that high scholarly expectations are met. While the Ph.D. is essentially a research degree, students are provided opportunities in teaching, with emphasis on course organization, class preparation, active learning methods, and evaluation procedures as important aspects of doctoral preparation. Financial support is often available throughout the course of the degree program.

Involvement in National Institute of Health (NIH), National Science Foundation (NSF), and other funded research projects is available in audiology, speech-language pathology,

and the hearing, speech, and language sciences. Cooperative efforts with the college of medicine, and departments of psychology (neuroscience, psycholinguistics, and cognition), linguistics (speech perception), health sciences, physical therapy, and education can broaden each student's academic experience. Student membership in the Institute for the Empirical Study of Language facilities research collaboration across many disciplines.

Admission Policies

In addition to the application materials discussed above, applicants must submit a two to three page narrative detailing previous experience and long- and short-term career objectives. Individual interviews with the director, the coordinator of Ph.D. studies and the faculty mentor in the student's intended area of study are required. In-person interviews and campus visitations are highly recommended and in some cases may be required.

The following criteria are used to determine eligibility for admission to doctoral study:

- A record of high scholastic achievement,
- Letters of recommendation substantiating academic and other strengths,
- GRE scores consistent with doctoral academic demands,
- A career plan describing past experiences, reasons for pursuing doctoral study, desired future employment settings, areas of desired professional expertise, and knowledge, skills, and experiences sought during doctoral study.

Students pursuing a Ph.D. in areas related to speech-language pathology, speech science, and/or language science must have a master's degree in communication sciences and disorders or in an academic area that will complement work in the intended area of doctoral study. Students pursuing a Ph.D. in hearing science and/or audiology are not required to have a master's degree.

Once the HSL5 Graduate Committee deems that an applicant is eligible for

admission, a graduate faculty member must agree to accept the student as his or her advisee. Applicants are admitted once the coordinator of the Ph.D. studies has been notified that an appropriate faculty member has agreed to serve as the applicant's academic advisor.

Academic Guidance

The role of the academic advisor is one of advocacy and mentorship to guide progress toward the doctoral degree. By accepting a student, the advisor is committed to working closely with the student through all aspects of the doctoral program. This entails preparation and development of the program of study, ongoing guidance and consultation, periodic re-evaluations, cooperative research, assistance in arranging the preliminary and comprehensive examinations (in collaboration with the coordinator of Ph.D. studies), and consultation on the dissertation proposal, writing and oral defense. In addition to an academic advisor, each doctoral student will have an Academic Guidance Committee. The student's Academic Advising Committee plays a major role in developing the program of study and evaluating scholarly development.

Degree Requirements

A minimum of 150 quarter hours of graduate work is necessary to complete the Ph.D. degree subject to the following guidelines:

- All acceptable previously accumulated graduate credit hours, up to a maximum of 51 quarter hours, may count toward the minimum 150 hours.
- At least 54 graduate credit hours must be taken from the School, none of which may have been taken as part of any other degree plan. Twenty-eight or more of the 54 hours must be taken in the major area of study. Some examples of major areas of study include speech perception and production, language science, aphasia and other neurogenic communication disorders, child language development and disorders, hearing aid technology and benefits, signal processing, cochlear implants, psychophysics, and auditory physiology.
- At least 14 graduate credit hours must be taken in each of two minor areas of study. One of the minor areas must be within the School of Hearing, Speech and Language Sciences, and the other in an academic area represented outside

the School. Examples of minor areas outside the school include health service administration, gerontology, cognition, neuroscience, and psycholinguistics.

- A minimum of three graduate courses in a statistics sequence.
- A maximum of 24 dissertation hours are allowed as part of the 150 quarter hour requirement.

Successful completion of the preliminary examination, first-year project requirements, comprehensive examinations, annual evaluations, and all courses in the approved program of study, and successful proposal, defense and submission of the dissertation are required for the doctoral degree.

A minimum of three quarters of continuous residence on the Athens campus is required according to University doctoral program policies. A minimum of 12 quarters (3 years) of full-time doctoral study is required by the School of Hearing, Speech and Language Sciences.

Courses

Hearing, Speech and Language Sciences (HSLs)

544 Language Disorders in Children (4)

Introduction to the study of disorders of language that may be observed in children with mental impairment, hearing impairment, autism, learning disabilities, and specific language impairments. 4 lec. *F, Sp, Y*.

571 Aural Rehabilitation (4)

Differential diagnosis of children with suspected auditory disorders. Basic remedial procedures employed with hearing disabled. Practice in planning lessons in speech reading and auditory training. 5 lec. *W, Y*.

578 Sign Language (4)

Instruction in manual sign language systems used by the deaf: vocabulary, encoding, and decoding signs for purposes of communication emphasized. Not open to HSLs majors. 4 lec. *F, W, Su, Y*.

580 Advanced Manual Communication (4)

Basic instruction and practice in finger spelling and signing used by and for deaf and hard of hearing. 4 lec. *Sp, Su, Y*.

585 Sign Language I (4)

Basic introduction to sign language, including finger spelling, number concepts, and encoding and decoding of sign. 4 lec.

586 Sign Language II (4)

Prereq: HSLs 585. Intermediate instruction and practice in manual communication, with emphasis on interactive signing. Includes introduction to American Sign Language. 4 lec.

587 Sign Language III (4)

Prereq: HSLs 586. Advanced instruction and practice in manual communication, with emphasis on interactive signing. 4 lec.

600 The Communicatively Impaired Elderly Patient: Clinical Assessment and Intervention (4)

Clinical assessment of the communication disorders confronting elderly individuals, as well as the development of viable intervention strategies designed to enhance their rehabilitation. Not open to HSLs majors. 4 lec. *F, Y*.

601 Research Methods in Hearing, Speech and Language Sciences (4)

Introduction to research and scientific methods in communication sciences and disorders. Discussion of types of research, design options, and methodological strategies. Reading and evaluation of current research. 4 lec. *F, Y*.

602 Advanced Research Methods in Hearing, Speech and Language Sciences (4)

Research methodologies and critical examination of existing research. 4 lec. *D*.

603 Neuroscience of Communication (4)

Study of neuroanatomy with emphasis on speech, language, and auditory processes. Detailed instruction in anatomical structures of respiration, phonation, articulation, and audition as related to central nervous system. Morphological instruction with respect to central nervous system, peripheral nervous system, and autonomic nervous system is also included. 4 lec. *F, Y*.

608 Advanced Study of Language Disorders in Children (4)

Prereq: No credit if HSLs 544. Detailed and advanced study on theory and practice in children with language disorders. Specific populations include children with specific language impairment (SLI), language-learning disability, intellectual disability, autism, acquired language disorders, and auditory impairment. 4 lec.

609 Communicative Disorders in Infants and Young Children (4)

Prereq: 544. In-depth study of language assessment intervention strategies for children exhibiting disorders of language. Areas of therapy considered include development of pre-linguistic skills, pragmatic as well as semantic and grammatical aspects of comprehension and production. 4 lec. *W, Y*.

613 Developmental and Disordered Phonology (4)

Study of phonological problems associated with overall language disorders. Emphasis on theories of phonological acquisition, stages of development, description of deviant systems, methods of data collection and analysis, and suggestions for remediation. 4 lec. *F, Y*.

614 Orofacial Disorders (4)

Discussion of diagnostic and rehabilitation procedures used with individuals having various orofacial disorders including cleft lip and palate. 4 lec. *W, Y*.

617 Disorders of Fluency (4)

Stuttering related to theory, research, and therapy. Students select and develop area of interest. 4 lec. *W, Y*.

619 Language Disorders in School-Age Children (4)

Prereq: 544. Intervention strategies and methods of service delivery in working with school-age children who have language learning difficulties. Focus on language skills necessary for children's social and academic success by means of collaboration with other professionals in the school setting. 4 lec. *Su, Y*.

621 Disorders of Phonation (4)

Review of anatomy and normal physiology of vocal mechanism. Organic and functional voice problems and related therapy. Research problems in diagnosis and therapy. 4 lec. *F, Y*.

623 Advanced Diagnostic Procedures in Speech and Language Disorders (4)

Study of theory and practice pertaining to the diagnostic process, including topics on models of diagnosis, family-centered assessment, multicultural issues, tools and methods, as well as assessment in selected areas of disorders. 4 lec. *Sp; Y.*

624 Neuromotor Disorders of Speech (4)

In-depth study of nature and habilitation of speech disorders of organic etiology. Primary focus on articulation disorders resulting from structural lesions, muscle in-coordination, and weakness. 4 lec. *W; Y.*

626 Language Problems of the Developmentally Disabled (4)

Evaluating level of language development of children who are developmentally disabled. Techniques for assisting children with developmental disabilities to develop language. 4 lec. *D.*

627 Medical Aspects of Auditory Disorders (4)

Discussion of medical and surgical treatments for various speech and hearing disorders. Readings in medical literature and familiarization with terminology and philosophies of treatment. 4 lec. *Sp; Y.*

629 Adult Language Disorders (4)

Theory, etiology, diagnostics, treatment methods, and service delivery issues related to adult neurogenic language disorders. Includes study of aphasia, dyslexia, dysgraphia, right hemisphere deficits, frontal lobe syndromes, traumatic brain injury, and dementia. 4 lec. *W; Y.*

630 Cerebral Palsy (3)

Cerebral palsy, etiologies, related problems; theories and procedures for habilitation. 3 lec. *D.*

632 Supervision in Communication Disorders (4)

Preparation of advanced students for employment in teacher education programs and service centers. Individual assignments and specific experience in supervision of diagnostics, therapy, and research, plus administrative supervision. 4 lec. *D.*

635 Practicum in Diagnosis and Therapy (1–15)

Diagnosis, planning of therapy, therapy experience. One staff meeting per week. May be repeated. *F, W, Sp, Su; Y.*

635A Audiology Practicum I (1–15)

Experience in audiology diagnosis and aural rehabilitation in on-campus clinical and off-campus settings. One class meeting per week plus clinical assignments. May be repeated. *F, W, Sp, Su; Y.*

635B Professional Clinical Training in Audiology I (1–7)

Prereq: 635A concurrent. Designed to bridge didactic coursework and clinical experience. Lecture, practice, experimentation, and student presentations. Topics coincide with courses. *F, W, Sp, Su; Y.*

636 Clinical Externship (3–15)

Full-time placement for a period of 10 weeks at an off-campus site (clinic, hospital or other medical facility, private practice, or in a school setting). Students gain experience under supervision of a certified speech-language pathologist or audiologist. Students register for 3 credit hours to meet graduate degree requirements. *Sp, Su; Y.*

637 Student Teaching Seminar (3)

Prereq: concurrent with student teaching. Methods, organization, and implementation of public school speech and hearing programs. 3 lec. *Sp, Su; Y.*

640 Augmentative Communication (4)

Study of the nature of augmentative communication and assistive listening systems. Development of skills in the application of augmentative communication to communication disorders in

adults and children. Hands-on experience with microprocessor-based technology. 4 lec. *F; Y.*

641 Dysphagia (4)

Basic knowledge of the nature of normal and deviant swallowing disorders due to neurological and structural impairments. Major topics include assessment and management of the wide range of swallowing disorders managed by the speech-language pathologist. 4 lec. *W; Y.*

642 Microcomputer Applications in Communication Disorders (4)

Students become computer literate with two computer systems, knowledgeable regarding current and future applications of microcomputers in the communication disorder professions, and skilled with representative software applications. 3 lec., 2 lab. *D.*

643 Administration of Public School Speech/Language Programs (4)

Prereq: major. Discussion of issues involving administration and implementation of speech and language programs in public school system. Identification of legislative and procedural guidelines for programming; development of administrative, diagnostic, and therapeutic strategies for schools; and discussion of teacher and parent programming. Prerequisite to student teaching. 4 lec. *W; Y.*

645 Multicultural Issues in Communicative Disorders (4)

Introduction to study of social dialects; problems and controversies surrounding this issue. Training in recognition of dialectal variations and in teaching standard English to speakers of other dialects. 4 lec.

652 Experimental Phonetics I (4)

Acoustic properties of speech signals and study of speech production. 4 lec. *Sp; Y.*

653 Experimental Phonetics II (4)

Prereq: 652. Acoustical and physiological phonetics relating to speech perception. 4 lec.

654 Calibration of Audiometric Instrumentation (2)

Instrumentation and procedures used in audiometric calibration. 2 lec.

667 Advanced Hearing Science (4)

Advanced discussion of physiological and psychological acoustics.

672 Audiology Procedures for Speech-Language Pathologists (4)

Imparts knowledge and skill to perform audiological procedures that are within the ASHA specified scope-of-practice for speech-language pathologists, including hearing and tympanometry screening, audiogram interpretation, impact of hearing loss on communication, central auditory processing, hearing aid troubleshooting, and making appropriate referrals. Emphasis on practical experience through classroom activities, laboratory experiences and review of case studies. 4 lec. *W; Y.*

673A Audiological Assessment Differential Diagnosis I (5)

Presents advanced audiological procedures for the differential diagnosis of conductive and cochlear auditory disorders. Lab provides hands-on experience with current test protocols and state-of-the-art equipment. 4 lec, 2 lab. *F; Y.*

673B Audiological Assessment Differential Diagnosis II (5)

Prereq: 673A. Presents advanced audiological procedures for the differential diagnosis of retrocochlear and central auditory disorders. Lab provides hands-on experience with current test protocols. 4 lec, 2 lab. *W; Y.*

674A Hearing Aids (4)

Hearing aid components, electroacoustical parameters of hearing aids, signal processing systems, and earmold technology assistive listening devices. *W; Y.*

675A Electrophysiological Assessment of the Auditory System (5)

Prereq: 673A. Electrophysiological measurements applied to human auditory system focusing on auditory evoked potentials. 4 lec., 2 lab. *Sp; Y.*

676 Psychoacoustics (4)

Prereq: 6 hrs audiology above 600 level. Overview of classical and contemporary psychophysical methods, physics of sound, excitation of cochlea and auditory nerve, frequency analysis, pitch perception, nonlinear distortion, loudness, frequency, and intensity discrimination. 4 lec. *W; Y.*

677 Bioacoustics (4)

Ear as transducer and analyzer; electrophysiological and mechanical properties of ear. 4 lec. *F; Y.*

678A Seminar in Audiology (1–4)

Current problems and areas of research. Individual reading projects and seminar reports. *F, W, Sp, Su; D.*

694 Directed Study and Research (1–15)

Prereq: perm. May be repeated. *F, W, Sp, Su; D.*

695 Thesis (1–15)

Prereq: perm. *F, W, Sp, Su; D.*

712 Theories in Language Acquisition and Behavior (4)

Language and cognitive development, verbal learning, and structural properties of speech. 4 lec. *Sp; Y.*

725 Seminar in Clinic Administration (1–4)

Organization and administration of clinical and academic programs in speech-language pathology and audiology. *F, W, Sp, Su; D.*

731 Seminar in Speech-Language Pathology (1–5)

Prereq: perm. Current literature and recent research. Topic changes each quarter. May be repeated. *F, W, Sp, Su; D.*

733 Professional Training Seminar (1–5)

Special topics, changed each offering. Development of special interest areas and innovative procedures. May be repeated. *F, W, Sp, Su; D.*

735A Audiology Practicum II (1–15)

Prereq: Three quarters of HSL 635A and 635B. Experience in audiological diagnosis through direct patient contact, hearing aids, and aural rehabilitation in on-campus and off-campus settings. *F, W, Sp, Su; Y.*

735B Professional Clinical Training in Audiology II (2–15)

Prereq: HSL 735A concurrent. Designed to bridge didactic coursework and clinical experience in the second and third years of the Au.D. program. Lecture, practice, experimentation, and student presentations. Topics coincide with courses. *F, W, Sp, Su; Y.*

755 Seminar in Speech Science (1–4)

Prereq: perm. Topics in speech science and related areas; required papers. *D.*

756 Seminar in Research Problems (1–4)

Prereq: perm. Organization and preparation of research in scholarly form. Analysis and evaluation of research writing in various areas. Required application of principles to seminar projects. *F, W, Sp, Su; D.*

761 Psychosocial Aspects of Hearing Impairment (4)

Prepares audiologists/speech pathologists to better understand semantics of deafness as well as alternate modes of communication as used by those who are hearing impaired. 4 lec. *W; Y.*

762 Rehabilitative Audiology (4)

Prepares audiologists to structure and execute programs of (re)habilitation for hearing impaired in clinical and/or educational settings. 4 lec. *F; Y.*

763 Pediatric/Educational Audiology (4)

Audiometric evaluation of infants and children, including behavioral and electrophysiological techniques. Audiological services in schools discussed, including screening procedures; services to children with hearing impairments; working with other professionals, teachers, and parents; academic programming; and administrative organization. Discussion of federal and state legislation pertaining to children with hearing impairment in schools. 4 lec. *F; Y.*

764 Clinical Administration in Audiology (4)

Leadership, management, and clinical supervision of an audiological clinic. 4 lec. *Sp; Y.*

765 Geriatric Audiology (4)

Prereq: HSL5 627, 673B, 762. State-of-the-art evaluation and management of hearing loss in the geriatric patient. Emphasis on reducing the degree to which hearing loss impedes an individual's independence in daily living activities. 4 lec. *W; Y.*

766 Deaf Culture (3)

Focus on issues within the hearing impaired community including the meanings of "Deaf" versus "deaf," structure of deaf communities, and interpreting sign language. 3 lec. *F; Y.*

767 Sign Language for Audiologists (4)

Various communication language systems used by the deaf. Gain a base vocabulary designed to enable effective communication with manual communication users in clinical situations. 4 lec. *F; Y.*

768 Industrial Audiology (3)

Information about the adverse effects of noise on hearing, the assessment of the environment for hazardous conditions, Occupational Safety and Health Administration (OSHA) regulations on noise exposure, and the implementation of a hearing conservation program as prescribed by the National Institute for Occupational Safety and Health (NIOSH). 4 lec. *Sp; Y.*

770 Cochlear Implants (4)

Prereq: 603, 675A, 676, 677. Neurobiological basis for cochlear implants, speech processing techniques, candidacy for implants, post operative management, and outcomes assessment. 3 lec., 2 lab. *W; Y.*

774 Hearing Aid Selection (3)

Prereq: 674. Clinical hearing aid selection and verification procedures. 4 lec., 2 lab. *F; Y.*

775 Advanced Hearing Aid Technology 4

Prereq: 774. Advanced topics in hearing aid technology including compression, noise reduction strategies, directional microphone, class amplification technology, understanding performance of the damaged auditory system and how advanced signal processing strategies might be used to compensate for these deficits. 3 lec., 2 lab. *W; Y.*

785 Balance Function Assessment (5)

Prereq: 603, 627. Assessment of balance function with emphasis on ENG, rotary chair, and platform posturography. 4 lec., 2 lab. *Sp; Y.*

790 Clinical Externship in Audiology (3–15)

Experience in hearing testing, fitting hearing aids, diagnostic procedures related to hearing and balance, writing clinical reports, maintaining clinical facilities and interacting with other professionals. *F; W, Sp, Su; Y.*

794 Directed Study and Research (1–15)

Prereq: perm. Final product reviewed by faculty committee. May be repeated. *F, W, Sp, Su; D.*

801 Research Practicum in Audiology (1–15)

Prereq: 601 or concurrent. Research training experience in which student works closely with faculty in their research labs. Students collaborate on ongoing research and may progress to designing and implementing their own projects. Three-quarter experience culminates in a research portfolio as well as a presentation. *F, W, Sp, Su; Y.*

890 Full-time Audiology Externship (1–15)

Prereq: 3 quarters HSL5 635A, 6 quarters HSL5 735A. Full-time supervised externship for three quarters, located nationwide. *F, W, Sp, Su; Y.*

895 Dissertation (1–15, max 24)

Prereq: perm. *F, W, Sp, Su; D.*

School of Human and Consumer Sciences

<http://www.ohiou.edu/humanandconsumer/>

The School of Human and Consumer Sciences offers master's programs with concentrations in early childhood education, family studies, and food and nutrition. Graduate courses in retail merchandising and interior architecture are also available.

To be awarded the Master of Science degree, you must earn a minimum of 45 hours if you select the thesis option or 50 quarter hours if a graduate project option is selected. You are required to have an approved program of study in your file by the end of the first quarter of enrollment. Your graduate program is planned by you and your advisor, taking into consideration your undergraduate preparation and professional goals.

The maximum time allowed between the date that you first initiate graduate study toward the master's degree and the date that you complete the requirements for the degree is six calendar years. You may transfer a maximum of 12 quarter hours of graduate credit from an accredited university, providing the credit to be transferred has been designated graduate credit at the institution where taken, is letter graded B or better, was earned in the past five years, was applicable toward an advanced degree at the institution where taken, and is approved by your advisor and graduate coordinator. Credit for courses taken by correspondence cannot be accepted toward the required minimum hours.

Eligibility to Apply

You must meet the following requirements to be considered for unconditional admission to the graduate program in the School of Human and Consumer Sciences:

1 Earned bachelor's from an accredited college or university.

2 Minimum overall undergraduate grade-point average (g.p.a.) of 2.7 on a 4.0 scale on last 90 quarter hours or last 60 semester hours.

3 Satisfactory Graduate Record Examination (GRE) scores.

4 A minimum of 20 quarter hours or 13 semester hours of undergraduate preparation in the specific major in which you wish to study or in a closely related area.

If you do not meet the above standards, you may be admitted on a conditional basis and informed of the conditions you must meet before being accepted unconditionally. These courses may or may not apply toward your degree. If you are admitted on a conditional basis, you are not eligible for financial assistance.

Application Process

While applications for admission are accepted during all quarters, it is recommended that applications for both admission and financial aid for the following year be received by March 1.

Note: you must request official scores for the Graduate Record Examination (GRE) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 Copy of Application Submission page or the application transaction (order) ID.

2 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

3 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-7. Mail this envelope to: Graduate Chair, School of Human and Consumer Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

4 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/index.cfm>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

5 A cover letter of application briefly stating your intent to apply for admission and describing your goals and reasons for applying to graduate study in your specified area. Include dates for projected entry, completion of undergraduate work and any other information you believe necessary for full consideration or your application.

6 A resume, including your educational background and professional work experience.

7 A statement of goals and autobiography (3-5 double-spaced typed pages), which serves as a writing sample and helps to convey to the Graduate Committee a sense of who you are, what your experiences have been, and how these factors relate

to your desire to pursue a graduate degree within the School of Human and Consumer Sciences. Be sure to include your goals for graduate study, how your goals for study relate to what you plan to do following graduation, what research interests you may have, and why you want to be a student in our school.

NOTE: if submitting a web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 One completed, signed application (Form 1).

2 One completed, signed Residency Information Form (Form 2).

3 One completed, signed Background Information & References Form (Form 3)

4 Non-refundable application fee (check, cash or money order) payable to Ohio University.

5 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MHA, please provide three copies.

6 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7 International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-11. Mail this envelope to: Graduate Chair, School of Human and Consumer Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

9 A cover letter of application briefly stating your intent to apply for admission and describing your goals and reasons for applying to graduate study in your specified area. Include dates for projected entry, completion of undergraduate work and any other information you believe necessary for full consideration or your application.

10 A resume, including your educational background and professional work experience.

11 A statement of goals and autobiography (3-5 double-spaced typed pages), which serves as a writing sample and helps to convey to the Graduate Committee a sense of who you are, what your experiences have been, and how these factors relate to your desire to pursue a graduate degree within the School of Human and Consumer Sciences. Be sure to include your goals for graduate study, how your goals for study relate to what you plan to do following graduation, what research interests you may have, and why you want to be a student in our school.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The university retains portfolios of students accepted for admission.

All non-native speakers of English must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based test) or IELTS score (7.0 overall average). Tests

older than two years are not accepted. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Financial assistance, such as assistantships, is available.

Early Childhood Education and Family Studies

The Early Childhood Education program offers professionals an opportunity to deepen their study of young children, birth through age eight. The program prepares you to work with children and families in a diverse learning environments including public schools, childcare and child development settings, social service agencies, and crisis management. Your individual Program of Study is developed with your advisor, based on your goals and experiential needs. You may select either the thesis or graduate project option.

The Family Studies program prepares individuals to work with children, adolescents, adults, couples, and families, in a wide range of employment settings, both in academia and in human services. Academically, the program takes a lifespan approach to individual and family development that is multidisciplinary, systemic, and research-based with a focus on integrating the latest developments in theory and practice into a personal and professional framework. The Program of Study is intended to be highly flexible, accommodating current practitioners who wish to enhance their skills and knowledge base, and new professionals who are considering an academic career, or work in specialized areas. Examples of these areas and special populations include gerontology, mental health, substance abuse, family development, children's services, hospital services, advocacy for special populations, policy creation and implementation, and programs that foster the development of strong and enriching relationships over the lifespan. Together with your advisor, you will develop a Program of Study reflective of your experiences and professional goals. You may select either the thesis or graduate project option.

Program Requirements

Requirements for early childhood education or family studies with the **thesis** option are:

- 1 Minimum of 45 hours
- 2 Minimum of 22 hours in major and research

Required Courses:

HCCF 664	Advanced Child Development (5)
HCCF 674	Advanced Family Development (5)
HCGE 626	Seminar in Human and Consumer Sciences (2)
HCGE 692	Research (4)
HCGE 695	Thesis* (5)
EDRE 501	introduction to Research Methods
or PSY 520	Elementary Statistics
or EDRE 720	Education Statistics

*You are encouraged to select a topic for your thesis in an area of interest shared by you and your advisor.

- 3 Minimum of 12 hours in approved minor

Requirements for early childhood education or family studies with the **graduate project** option are:

- 1 Minimum of 50 hours
- 2 Minimum of 28 hours in major and research

Required Courses:

HCCF 664	Advanced Child Development (5)
HCCF 674	Advanced Family Development (5)
HCGE 626	Seminar in Human and Consumer Sciences (2)
HCGE 692	Research (4)
EDRE 501	introduction to Research Methods
or PSY 520	Elementary Statistics
or EDRE 720	Education Statistics

*You are encouraged to select a topic for your thesis in an area of interest shared by you and your advisor.

- 3 Minimum of 12 hours in approved minor

Food and Nutrition

Our master's program offers a multidisciplinary approach to the study of food and nutrition. You will take required core courses in food and nutrition and then take approved courses in a minor. Recommended minors include consumer food, food education, community nutrition and health promotion, long term care, and sports and fitness. However, you

can also design a unique program to fulfill the minor requirements. In this case, you would chose from existing graduate courses available at Ohio University and design a program that best compliments your career goals. The versatility of the program makes it suitable to meet the graduate needs of numerous individuals including those with limited food or nutrition undergraduate training, those already with a registered dietetics credential but who wish to obtain an advanced degree, educators who wish to obtain training in food and nutrition, or those who require additional course work in order to apply for a dietetics internship. Graduate students will be encouraged to do multidisciplinary research when appropriate.

Program Requirements

Requirements for food and nutrition with **thesis** option:

- 1 Minimum of 45 hours
- 2 Minimum of 28 hours in major/ research area

Required Courses:

HCFN 532	Research Design and Methods in Nutrition (3)
HCFN 650	Diet and Chronic Disease (4)
HCFN	Elective (3-4)
HCGE 591B	Seminar in Food and Nutrition (2)
HCGE 626	Seminar in Human and Consumer Sciences (2)
HCGE 692	Research (4)
HCGE 695*	Thesis
PSY 520	Elementary Statistics
or EDRE 720	Education Statistics

*You are encouraged to select a topic for your thesis in an area of interest shared by you and your advisor.

- 3 Minimum of 16 hours in approved minor (see listing of pre-approved minors below)

Requirements for food and nutrition with **graduate project** option:

- 1 Minimum of 50 hours
- 2 Minimum of 23 hours in major/ research area

Required Courses:

HCFN 532	Research Design and Methods in Nutrition (3)
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HCFN 650	Diet and Chronic Disease (4)
HCFN	Elective (3-4)
HCGE 591B	Seminar in Food and Nutrition (2)
HCGE 626	Seminar in Human and Consumer Sciences (2)
HCGE 692	Research (4)
PSY 520 or EDRE 720	Elementary Statistics Education Statistics

3 Minimum of 26 hours in approved minor (see listing of pre-approved minors below)

Pre-approved Minors

Consumer Food—for food service or hospitality managers that wish to increase their knowledge in food and nutrition.

Required Courses:

HCFN 522	Experimental Foods (4)
HCFN 530	Food Sanitation and Safety (2)
MKT 501	Marketing Principles (4)
MKT 544	Consumer Behavior (4)

Regardless of thesis or project option, select 2–13 credits of approved graduate electives in MKT, HCFN, HCGE

Foods Education—to advance the study of food and nutrition education to individuals with already established careers in dietetics, K-12 education, medical education, nursing/other allied health disciplines, health administration, public health, and food industry professionals.

Required Courses:

HCFN 522	Experimental Foods (4)
HCFN 533	Food Safety and Sanitation (2)
HCCF 664 or HCCF 674	Advanced Child Development (5) Advanced Family Development (5)

Regardless of thesis or project option, select 5–16 credits of approved graduate HCFN, HCGE, HCCF electives

Community Nutrition and Health

Promotion—will prepare graduates to practice in a community agency, worksite wellness program, or related setting.

Required Courses:

HLTH 530	Worksite Health Promotion (4)
HLTH 607	Health Promotion and Health Behavior (4)
HLTH 608	Health Policy (4)
HLTH 610	Program Evaluation and Assessment in Health Care (5)

If graduate project option, select 9–10 credits of approved electives

Long-Term Care—for the nutrition or health professional seeking to gain knowledge and skills related to working with the elderly.

Complete requirements for the Gerontology Certificate (23)

Sports and Fitness—for the nutrition professional needing more training in exercise and fitness or for the fitness professional who needs more advanced training in nutrition.

Required Courses:

HCFN 660	Nutrition for Sports and Fitness (4)
PESS 514	Exercise Physiology (4)
PESS 515	Exercise Physiology Lab (3)
PESS 616	Sports Psychology and Adult Fitness (4)
PESS 617	Exercise Prescription (3)

If graduate project option, select 9–10 credits of approved electives

Specialized Studies

Create an approved interdisciplinary program that incorporates graduate courses to meet your career goals. Requires 16–27 credit hours of approved coursework.

Courses

Child and Family Studies (HCCF)

544 Adult Education in Human and Consumer Sciences (4)
Organizational procedures, curriculum materials, and methods of conducting adult education in various settings. 4 lec. *W; A.*

552 Home Management for the Disabled Homemaker (4)
Home management problems faced by disabled individuals and creative methods and materials to use in solving those problems. 4 lec. *D.*

553 Functional Assessment in Independent Living (3)
Identification of the functional limitations experienced by disabled clients in completing household tasks, methods for assessing functional limitations, and creative strategies and resources to increase functioning in the performance of household tasks. 3 lec. *D.*

560 Human Sexualities (4)
Explores effect of human sexuality on aspects of one's ability to form relationships which are integrative, creative, and recreative. Emphasis on realization on dynamic potential in wholeness of life pattern and in relationship, in light of scientific research. 4 lec.

562A Diversity in Families (4)
Analysis of emerging diverse marriage, couple, and family life patterns in American society, examining diversity of family structure, race/ethnicity, socio-economic class, gender, sexual orientation, and age. 4 lec. *F; Y.*

562B Parenthood (4)
Analysis of dynamics of parenthood. 4 lec. *F; Y.*

562C Middle Childhood (4)
Interpretation of developmental tasks of middle childhood years as they reflect and influence family guidance and transmission of values. 4 lec. *W; Y.*

562E Youth Identity Crisis (4)
Analysis of identity crisis in terms of its psychological and interpersonal aspects of adolescence. 4 lec. *Sp; Y.*

562F Family Ties and Aging (4)
Focuses on older persons in the context of family life, including historical perspectives, demographic trends, theoretical frameworks, intimate relationships, intergenerational relationships, and life course transitions. particular attention is given to the multiple contexts affecting and being affected by families in middle to later life. 4 lec. *Sp; Y.*

563 Administration in Early Childhood (3)
Problems in organizing and administering pre-schools, play groups, and Head Start programs. 3 lec. *F; W; Sp; Y.*

565 Parent Education (4)
Supervised experience in organizing, formulating, conducting, and evaluating discussion groups, classes, programs, and individual conferences for parents and youth leaders. 4 lec. *Y.*

571 Family Life Education (4)
History, philosophy, and objectives of family life education, including current trends. Selected fundamental educational problems explored. Examination of various dimensions of teacher's or leader's role and critical appraisal of student's professional competency to teach classes in family relations. 4 lec. *W; A.*

580 Death and Dying (4)
Examination of why we fear death, how it affects family relationships, source of guilt feelings, and related issues; synthesis of multiple dimensions of death and dying. 4 lec. *Sp; Y.*

664 Advanced Child Development (5)
Theories and principles of child development as advanced by various disciplines. 5 lec. *F; Y.*

672 Special Studies in Human Development (2–5)
In-depth study in selected area. *F; W; Sp; Su; D.*

674 Advanced Family Development (5)
Specific conceptual schemes of major theorists in areas relative to broad issues of philosophy and values regarding the family. Consideration of differential amenability of various areas of procedures to problems of family development. 5 lec. *Sp; Y.*

675 Introduction to Principles of Family Consulting (4)
An analysis of the theoretical basis of family consulting and the practical challenges of working with couples and families. Specific foci include prevention, intervention, and techniques at both familial and systemic levels to help couples and families resolve problems, build on strengths, and integrate personal and familial goals. 4 lec. *D.*

679 Special Studies in Family Relations (2–5)
In-depth study in selected area. *F; W; Sp; Su; D.*

689 Self, Aging, and Society (4)
Synthesis of issues inherent in biological theories, psychological aspects, sociological perspectives, health care aspects, and public policy issues in aging within the context of self and society. 4 lec. *D.*

690 Thanatology (4)
Synthesizes the components inherent in the current philosophical and religious views and beliefs, the psychological and clinical dimensions, the sociological factors, and the ethical and moral issues of death in the context of defining and coping with death. 4 lec. *D.*

Food and Nutrition (HCFN)**522 Experimental Foods (4)**

Factors that affect results of different methods used in food preparation. Research techniques using subjective and objective evaluation. 3 lec., 3 lab. *Sp; Y.*

524 Nutrition Treatment in Outpatient Care (4)
Nutrition counseling and process skills (including assessment, treatment, evaluation, and documentation) for ambulatory patients requiring dietary modification to prevent and/or treat overweight/obesity, hypertension, hyperlipidemia, diabetes mellitus, and cancer. 4 lec.

526 World View of Nutrition (3)

Survey of world food situation with consideration of environmental, cultural, governmental, and economic factors that relate to food production and consumption. Evaluation of effects of these factors in meeting dietary needs. 3 lec. *W; Y.*

528 Advanced Nutrition (4)

Prereq: CHEM 589. Biochemical and physiological processes in nourishment of body. Determination of nutrient needs and evaluation of nutritional status. 4 lec. *F; Y.*

529 Community Nutrition (3)

Prereq: 528. Assessment of community nutrition needs. Survey of agencies and programs providing services. Role of nutritionist. Methods and resources for nutrition education, legislation. 3 lec. *Sp; Y.*

530 Therapeutic Nutrition (4)

Prereq: 528, CHEM 589. Use of dietary modification in prevention and treatment of disease. Nutritional assessment; problems in nutritional care. 4 lec. *W; Y.*

532 Research Design and Methods in Nutrition (3)

Prereq: 528 and PSY 520 or equivalent. Overview of research design and methodology with practice application to the fields of nutrition and dietetics. A group research project will be carried out. 2 lec; 3 lab. *W; Y.*

533 Food Sanitation and Safety (2)

Applied food service sanitation procedures in the food handling functions of purchasing, storage, preparation, and service. Upon completion, students will be eligible for National Certification in Food Safety. 2 lec. *W; A.*

534 Quantity Food Production (2)

Food preparation principles applied to large quantity food production, menu planning, and service in institutions. Experience in residence halls. 2 lec.. *F; Y.*

534A Quantity Food Production (2)

Prereq: 533, 534. Food preparation principles applied to large quantity food production, menu planning, recipe standardization, food cost, and service in institutions. Experience in Atrium Cafe. 6 lab. *F; Y.*

535 Food Service Purchasing (4)

Prereq: 534. Managerial approach to the purchasing and selection of a wide variety of food, beverage, and nonfood items. Emphasis on purchasing the optimal amount at the optimal price. 4 lec. *W; A.*

537 Food Service Systems I (5)

Prereq: 534. Introduction to tools and functions of management in food service with emphasis on organizational structure, catering, staffing, work methods, human relations skills, sanitation, and safety. 4 lec., 3 lab. *W; Y.*

538 Food Service Systems II (4)

Prereq: 534. Institutional food purchasing, kitchen layout design, equipment selection, facilities management, and cost control. 4 lec. *Sp; Y.*

539 International Cuisine (4)

Prereq: 534, 537. Principles of international cuisine, advanced food preparation, and research of areas of specific interest. 2 lec., 4 lab. *Sp; A.*

540 Beverage Management (4)

Prereq: 534. Managerial approach to beverage management in hotels, restaurants, and catering operations. Emphasis on beverage menu planning, merchandising, and managing a beverage operation. 4 lec. *W; Y.*

582 Intermediate Nutrition (4)

Examination of macronutrients from a scientific standpoint, including their metabolism, utilization at the cellular level, and recommended intake for the prevention of chronic disease and health maintenance. 4 lec.

**599 Field Experience—
Food and Nutrition (5)**

Clinical experience through cooperation with hospitals, institutions, community agencies, or business organizations. *F, W, Sp, Su; D.*

599A Nutrition Counseling (2)

Prereq: 524. Introduction to the theory of medical nutrition therapy; communicating health and nutrition advice to consumers; behavioral change models used in medical nutrition therapy. 2 lec.

599C Nutrition Counseling Practicum (1)

Prereq: 524, 599A, perm. Offers the opportunity for students to counsel client(s) in a one-on-one and group format under the supervision of a registered dietician; including assessment, treatment, evaluation, and follow-up outpatient care. 3 lab.

610 Maternal and Child Nutrition (4)

Prereq: 529. Focuses on maternal and child nutritional needs and the symbiotic relationship between the two. The physiology of pregnancy and lactation and other issues that influence maternal nutrition and well-being are discussed. Child nutrition covers growth, development, and nutrient needs of infants and children (under age five). Environmental and policy issues that affect the nutritional needs of these two groups also addressed. 4 lec.

624 Advanced Food Science (3-4)

Chemical and physical behavior of basic food constituents and their influence on characteristics and nutritive value of foods. 1-2 lec., 2-6 lab. *D.*

625 Readings in Food and Nutrition (2-4, max 8)

Critical review of current literature with emphasis on modern theory and practice in nutrition and food preparation. *D.*

626 Methods of Food and Nutrition Investigation (3-4, max 8)

Prereq: 531 or 624. *D.*

627 Studies in Food and Nutrition (3-5, max 5)

Prereq: 522 or 531. *D.*

631 Studies in the Science of Nutrition (3-4, max 8)

Prereq: 528, 530, CHEM 589. Nutrition as related to physiological and metabolic processes. Individual research project. *D.*

650 Diet and Chronic Disease (4)

Examination of data associating dietary patterns with certain chronic diseases, such as atherosclerotic cardiovascular disease, hypertension, cancer, and obesity. 4 lec.

660 Nutrition for Sports and Fitness (4)

Exploration of current information available in scientific literature concerning interrelationships between dietary adequacy and physical performance. 4 lec. *W; Y.*

**Human and Consumer Sciences
General Education (HCGE)****543 Vocational Home Economics (4)**

History and philosophy of vocational home economics education. Contemporary trends, methods, sources of materials, and evaluation. 4 lec.

**559 Human and Consumer Sciences
Seminar, Workshop, and Short Course
in International Service (2-4)****579A-K Workshop in Human and Consumer
Sciences (1-6, max 6)**

Prereq: teaching experience. Special workshops on topics related to human and consumer sciences: (A) Home Economics Education, (B) Clothing and Textiles, (C) Food and Nutrition, (D) Child Development, (E) Consumer Economics, (F) Home Furnishings, (G) Home Management, (H) Household Equipment, (I) School Lunch Management, (K) Family Life Education.

590A-D Independent Study (1-5, max 8)

Independent advanced study under direction of faculty member in area of specialization: (A) Consumer Service and Education, (B) Human Development and Family Ecology, (C) Human Environment and Design, (D) Human Nutrition and Food Science.

591A Understanding Play (4)**591B-E Studies in Household Equipment or
Management (2-4, max 4)**

Research and recent developments in area of specialization: 591B Food and Nutrition, 591C Home Economics Education, 591D Housing and Management, 591E Textiles and Clothing.

591F Research Methods (2-4)**626 Seminar in Human and Consumer Sciences (1-4)**

Research and recent developments in Human and Consumer Sciences. Usually taken as two one quarter, one credit hour seminar courses. 1 lec. *F, W, Sp; Y.*

**639 Studies in Household Equipment or
Management (2-4, max 4)****640 Supervision in Human and Consumer
Sciences (4)**

Leadership functions, principles, and practices involved in effective supervision in human and consumer sciences. 4 lec. *D.*

646 Home Economics in Higher Education (4)

Basic philosophy and issues concerning place of home economics in higher education today. General trends in curriculum offering, teaching practices, evaluation, administration, and research. 4 lec. *D.*

**650 Studies of Home Economics
Education (2-4, max 8)**

Prereq: Teaching experience in home economics.

692 Research (1-5, max 5)

Independent investigation in one area of home economics.

695 Thesis (1-10, max 5 toward degree)**Interior Architecture (HCIA)****530 Cyberspace Design: Construction and
Implementation of 3-Dimensional Digital
Environments (5)**

Exploration and design of 3-dimensional cyberspace environments as related to the discipline of interior architecture. 2 lec, 8 lab. *D.*

**580 History of Furniture and Interior
Design I (3)**

Study of the history of interiors, furnishings, decorative arts, and architecture of the ancient world, the middle ages, and the gothic, renaissance, French and Beidemeir periods. 3 lec. *F; Y.*

581 History of Furniture and Interior Design II (3)

Study of the history of interiors, furnishings, decorative arts, and architecture of England (Tudor through Victorian) and America (Early American through Victorian). 3 lec. *W; Y.*

582 History of Furniture and Interior Design III (3)

Study of the history of interiors, furnishings, decorative arts, and architecture of the twentieth century. 3 lec. *Sp; Y.*

Retail Merchandising (HCRM)**505A History of Costume (4)**

Clothing through the ages as reflection of historical period and source for present-day design. 4 lec. *W; Sp; Y.*

505B History of Textiles (2)

Textiles through the ages as reflection of historical period and source for present-day design. 2 lec. *D.*

507 Textile and Fashion Industry (4)

Problems confronting buyer of textile products as related to specific manufacturing situations involved. 4 lec. *F; W; Y.*

515 Flat Pattern (4)

Emphasis on fitting techniques. Use and understanding of commercial patterns. 2 lec., 4 lab. *D.*

518 Textile Testing (4)

Principles, techniques, and standard testing methods of quality control for textiles, clothing, and interior design. Lab sessions emphasize standard textile testing procedures and research methods. Federal and state laws and codes designed to protect consumers also discussed. 2 lec., 4 lab.

519 Studies in Textile Testing (3)

Individual research and lab testing of problems in advanced textiles. *D.*

554 Clothing for Persons with Special Needs (3)

Various dressing techniques and functional design alternatives available to increase independence of individuals with special needs. Focus on such populations as the elderly, mentally disabled, and temporarily or permanently physically disabled. 3 lec. *D.*

609 Psychological, Social, and Economic Aspects of Clothing (4)

Contemporary uses and roles of textiles and clothing as affected by economic, social, and psychological forces seen in historic perspective. 4 lec. *D.*

612 Advanced Studies in Clothing (2-4, max 4)

Advanced problems and techniques in clothing construction. Emphasis on scientific principles of construction and experimental methods and fabrics. *D.*

615 Advanced Studies in Textiles (2-4, max 4)

Physical and chemical examination of fibers, yarns, and fabrics with emphasis on application of testing techniques as applied to individual textile studies. *D.*

617 Readings in Textiles and/or Clothing (2-4, max 4)

Analysis and interpretation of current writings and research with emphasis on new developments and trends. *D.*

School of Nursing

<http://www.ohiou.edu/nursing/>

The School of Nursing offers a graduate program leading to the Master of Science in Nursing (M.S.N.) degree.

The curriculum will prepare advanced practice nurses who can: provide expert direct client care, teach in a variety of capacities including undergraduate nursing programs, manage agencies that deliver health care, and provide leadership in a variety of nursing and health care services. Graduates will be prepared to work collaboratively with professionals from a variety of disciplines and mobilize resources for care of clients and families, especially those from rural communities.

Graduates will be able to identify and implement changes in complex health care delivery systems that enhance the quality and cost-effectiveness of client care.

Students can select a concentration from one of three options: Nurse Administrator, Nurse Educator, and Family Nurse Practitioner. To be awarded the Master of Science in Nursing degree, you must earn 55 quarter credit hours that includes clinical practica ranging from 200 to 600 hours depending on the track selected.

The maximum time allowed between the date that you first initiate graduate study toward the M.S.N. and the date that you complete the requirements for the degree is six calendar years. The full time M.S.N. program requires six quarters to complete. The M.S.N. program requires prerequisite introductory courses in statistics, management, and research. These courses must be completed with grades of "C" or higher from an accredited undergraduate institution.

The M.S.N. program will admit students with a Bachelor of Science Degree in Nursing (B.S.N.) from an accredited undergraduate institution. Students who are RNs but have earned their bachelor's degrees in other disciplines will be considered for full or conditional admission. Students must have attained an overall g.p.a.

of 3.0 out of a possible 4.0. Students may apply to the program prior to completion of the B.S.N., although they will not be accepted into the program until they have completed the B.S.N. degree. One may transfer a maximum of 12 quarter hours of graduate credit from an accredited university, providing the credit to be transferred has been designated graduate credit at the institution where taken, is letter graded B or better, was earned in the past five years, was applicable toward an advanced degree at the institution where taken, and is approved by your advisor and graduate coordinator. Credit for courses taken by correspondence cannot be accepted toward the required minimum hours.

Eligibility

You must meet the following requirements to be considered for unconditional admission to the graduate program in the School of Nursing graduate program:

- 1 Earned bachelor's degree in nursing from an accredited college or university.
- 2 Minimum overall undergraduate grade-point average (g.p.a.) of 3.0 on a 4.0 scale.
- 3 Satisfactory completion of undergraduate prerequisites in statistics, management, and research (must obtain a grade of "C" or better).
- 4 Satisfactory Graduate Record Examination (GRE) scores.

If you do not meet the above standards, you may be admitted on a conditional basis and informed of the conditions you must meet for unconditional acceptance. Courses taken to remove conditions may or may not be taken for graduate credit and may have to be completed prior to starting M.S.N. coursework. If you are admitted on a conditional basis, you are not eligible for financial assistance.

Application Process

Applications for admission are accepted for fall, winter or spring admission. Typically applications for both admission and financial aid for the next academic year must be received by March 1. International students must apply by February 1.

All non-native speakers of English must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based test) or IELTS score (7.0 overall average). Tests older than two years are not accepted. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Note: you must request official scores for the Graduate Record Examination (GRE) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 Copy of Application Submission page or the application transaction (order) ID.

2 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

3 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-7. Mail this envelope to: Graduate Chair, School of Nursing; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

4 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate

study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>). Please make certain to include the program and concentration you plan to pursue on the form prior to giving the form to the person providing the reference.

5 A resume, including your educational background and professional work experience.

6 A statement of goals and objectives (2-3 double-spaced typed pages), which serves as a writing sample and helps to convey to the Graduate Committee a sense of who you are, what your experiences have been, and how these factors relate to your desire to pursue a graduate degree within the School of Nursing. Be sure to include your goals for graduate study, how your goals for study relate to what you plan to do following graduation, and why you want to be a student in our school. Also, indicate whether you plan to pursue the degree full-time or part-time.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 One completed, signed application (Form 1).

2 One completed, signed Residency Information Form (Form 2).

3 One completed, signed Background Information & References Form (Form 3)

4 Non-refundable application fee (check, cash or money order) payable to Ohio University.

5 Two copies of official transcripts from each U.S. postsecondary institution

attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

6 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7 International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Graduate Chair, School of Nursing; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/index.cfm>).

9 A resume, including your educational background and professional work experience.

10 A statement of goals and objectives (2-3 double-spaced typed pages), which serves as a writing sample and helps to convey to the Graduate Committee a sense of who you are, what your experiences have been, and how these factors relate to your desire to pursue a graduate degree within the School of Nursing. Be sure to include your goals for graduate study, how your goals for study relate to what you plan to do following graduation, and why you want to be a student in our school. Also, indicate whether you plan to pursue the degree full-time or part-time.

All documents received by the University in connection with an application for admission become the

property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The university retains portfolios of students accepted for admission.

Program Requirements

To earn the Master of Science in Nursing degree, you must satisfactorily complete a minimum of 55 quarter hours of required graduate coursework including all core courses and the specific courses for the major option you select.

Required Core Courses (20 hours)

NRSE 600	Transition to Advanced Nursing Roles (3)
NRSE 601	Theoretical Perspectives for Advanced Nursing Roles (3)
NRSE 602	Research and Evaluation in Nursing (4)
NRSE 603	Professional Collaboration in Nursing (3)
NRSE 604	Nursing Informatics (3)
HLTH 630	Epidemiology in Health Planning (4)

Nurse Administrator Required Courses (35 hrs)

NRSE 660	Nursing Administration Roles and Responsibilities (3)
NRSE 661	Nursing Administration Strategies (4)
NRSE 663	Nursing Administration Practicum (4)
ACCT 501	Accounting Principles (4)
HLTH 603	Administration of Health Organizations (4)
HLTH 608	Health Policy (4)
HLTH 621	Health Care Finance (4)
HLTH 635	Human Resource Management in Health Care (4)
	Elective (4)

Nurse Educator Required Courses (35 hrs)

NRSE 610	Advanced Pathophysiology in Nursing I (4)
NRSE 611	Advanced Pathophysiology in Nursing II (4)
NRSE 613	Adv. Pharmacology in Nursing (5)
NRSE 630	Family Health in Nursing (3)
NRSE 631	Family Resource Management (3)
NRSE 650	Curriculum Development in Nursing (4)
NRSE 651	Education Strategies in Nursing (4)
NRSE 652	Nursing Education Practicum I (4)
NRSE 653	Nursing Education Practicum II (4)

Family Nurse Practitioner (35 hrs)

NRSE 610	Advanced Pathophysiology in Nursing I (4)
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NRSE 611	Advanced Pathophysiology in Nursing II (4)
NRSE 612	Advanced Health Assessment in Nursing (5)
NRSE 613	Adv. Pharmacology in Nursing (5)
NRSE 630	Family Health in Nursing (3)
NRSE 681	Nursing Care of Women (3)
NRSE 682	Nursing Care of Adults (3)
NRSE 683	Nursing Care of Children (3)
NRSE 684	Family Nurse Pract. in Practice (4)
	Elective (4)

Courses

Nursing (NRSE)

592A-Z Special Topics (1-4, max 6)

Intensive study of selected topics in nursing when significant professional issues arise. *D.*

600 Transition to Advanced Nursing Roles (3)

Societal, political, and educational factors upon which nursing discipline is founded. Uses futuristic framework to consider contemporary nursing practice in present health care environment. Explores trends and relationships that impact professional roles. 3 lec. *F; D.*

601 Theoretical Perspectives for Advanced Nursing Roles (3)

Introduces nursing theory development. Explores conceptual models and theories through investigation of elements and functions of theory. Critiques application of nursing practice models and determines research and practice relationships. 3 lec. *F; D.*

602 Research & Evaluation in Nursing (4)

Evaluates published clinical outcomes in nursing research. Utilizes strategies for application of nursing research methods. Analyzes nursing research in a specific concentrated area. 4 lec. *W.*

603 Professional Collaboration in Nursing (3)

Overview of professional roles and competencies in interdisciplinary collaboration. Focus on chronic illness, health services, community resources, building successful interdisciplinary teams, informatics, technology, collaborating, coordinating tasks, and cultural and ethical diversity from a nursing perspective. 3 lec. *F.*

604 Nursing Informatics (3)

Integrates nursing science with computer technology and information science to identify, gather, process, and manage information. *Su. A.*

610 Advanced Pathophysiology in Nursing I (4)

Analysis of concepts of physiology and pathophysiology and their relationships to nursing interventions across the life span of humans. Examines the integumentary, neurological, gastrointestinal, immune and endocrine systems and specific disease processes. Emphasizes nursing intervention strategies in treatment and prevention of diseases. 4 lec. *S; D.*

611 Advanced Pathophysiology in Nursing II (4)

Prereq: 610. Analysis of concepts of physiology and pathophysiology and their relationships to nursing interventions across the life span of humans. Examines the cardiovascular, respiratory, musculoskeletal, renal, and reproductive systems and specific disease processes. Emphasizes nursing intervention strategies in treatment and prevention of diseases. 4 lec. *F; D.*

612 Advanced Health Assessment in Nursing(5)

Advanced nursing assessment of skills necessary for the identification and documentation of

normal findings and detection, documentation and referral of abnormal findings. 4 lec, 2 lab. *S.*

613 Advanced Pharmacology in Nursing (5)

Pharmacology and pharmacotherapy of common illnesses in infants, children, adolescents, and adults. Builds on knowledge of developmental physiology and pathophysiology as basis for pharmacotherapeutic advanced practice nurse management of common acute and chronic illnesses. 5 lec. *W.*

630 Family Health in Nursing (3)

Examines skills, knowledge, and practices for nursing intervention across developmental stages and the family lifespan. Emphasis is on assessment, intervention, and evaluation of family-focused care from a nursing perspective. Investigates strategies that enhance, maintain, and restore family health. 3 lec. *W.*

631 Family Resource Management (3)

Prereq: 630 or concurrent. Preparation in meeting the health care needs of diverse family groups. Explores partnerships among nurses, families, and health service providers through collaboration, interdisciplinary practice, diverse agencies, and institutions related to family needs. 3 lec. *S.*

650 Curriculum Development in Nursing (4)

Curriculum process as it applies to patient/client education, staff development, and nursing education. 4 lec. *S.*

651 Education Strategies in Nursing (4)

Philosophical and practical issues of delivering educational content in service, clinical, and classroom settings. Addresses knowledge and skills to prepare nurse educators in developing continuing educational programs, lead in staff development, and design patient education materials. 4 lec. *F.*

652 Nursing Education Practicum I (4)

Prereq: 650, 651. Application of content presented in NRSE 650 and NRSE 651. Faculty and preceptor guided experiences in curriculum development and teaching within a health care facility. 2 lec, 8 lab. *W.*

653 Nursing Education Practicum II (4)

Prereq: 650, 651. Application of content presented in NRSE 650 and NRSE 651. Faculty and preceptor guided experiences in curriculum development and teaching within a school of nursing. 2 lec, 8 lab. *S.*

660 Nursing Administration Roles and Responsibilities (3)

Explores the roles and responsibilities of the nurse administrator. Provides opportunities to identify critical attributes, knowledge, and skills required to fulfill the role of nurse administrator from a theoretical perspective. 3 lec.

661 Nursing Administration Strategies (4)

Focuses on roles of nursing administrators who efficiently and effectively use leadership skills to strategically implement valued change within the organizational environment. 4 lec. *D.*

663 Nursing Administration Practicum (4)

Prereq: 661, 662; HLTH 603, 621, 635 or concurrent. Opportunity to gain knowledge, skills, and experiences in nursing administration activities and roles by working with an administrative preceptor in a health care organizational setting. 1 lec, 20 lab. *D.*

681 Nursing Care of Women (3)

Prereq: 610, 611, 612. Specialized nursing knowledge, skills, and experiences related to women's health issues, prenatal and postpartum care, the childbearing cycle, childbirth education,

and menopause. Attention to nursing assessment, nursing diagnosis, and nursing intervention relevant to gender based assumptions, historical traditions, and sociopolitical factors affecting health risks. 1 lec, 15 lab. *Su.*

682 Nursing Care of Adults (3)

Prereq: 610, 611, 612, 613. Specialized nursing knowledge, skills, and experiences related to adult health issues. Attention to nursing assessment, nursing diagnosis, and nursing intervention relevant to developmental physical and psychosocial stages of the adult. 1 lec, 15 lab. *F.*

683 Nursing Care of Children (3)

Prereq: 610, 611, 612, 613. Clinical experience in advanced nursing assessment, nursing diagnosis, and nursing intervention related to the physiological and psychosocial health and well-being of children. 1 lec, 15 lab.

684 Family Nurse Practitioner in Practice (4)

Prereq: 681, 682, 683. Application of advanced nursing assessment skills, pathophysiology concepts, and pharmacotherapeutics in a clinical care environment. Emphasizes achieving clinical nursing competence in the advanced practice nursing roles with individuals across the lifespan. 1 lec, 20 lab.

690 Independent Study (1-6)

Prereq: perm. Individual study of topics in nursing and health care with guidance of faculty member. Project must be approved prior to registration. *F; W; Sp; Su.*

691 Directed Research (1-6)

Prereq: perm. Individual research work along lines of student's special interest in nursing and under supervision of faculty member. Projects must be approved prior to registration.

School of Physical Therapy

<http://www.ohiou.edu/phytherapy/>

The School of Physical Therapy offers an entry-level doctoral program in physical therapy leading to a Doctor of Physical Therapy (D.P.T.) degree. The program begins in June and extends over a three-calendar-year period. The problem-solving, evidence-based curriculum is designed to prepare competent health care professionals who will be able to employ critical decision-making skills for optimal patient care and utilize critical inquiry for self-assessment, health care and professional issues, evaluation, research, and practice analysis.

Clinical experience is integrated with the didactic and laboratory components throughout the program of study. Part-time clinical practica are arranged in local clinics (community hospitals, home health agencies, skilled nursing facilities, developmental disabilities centers, and private practices.) Students are supervised

by faculty and staff from Ohio University Therapy Associates, the school's faculty practice, and local clinicians. Full-time clinical practica are arranged in clinical facilities located outside of the Athens area. The School of Physical Therapy has agreements with medical centers, general acute hospitals, rehabilitation centers, and specialty clinics in most states including the following: Ohio, Arizona, California, Colorado, Florida, Illinois, Indiana, Kentucky, Louisiana, Michigan, Mississippi, New Jersey, New York, North Carolina, Pennsylvania, Tennessee, Texas, Virginia, and West Virginia.

If accepted into the program, you will be responsible for your own transportation to and from clinical sites and for housing and other living expenses during all of your affiliations. You also will be required to: (1) obtain CPR certification; (2) have a physical examination, including evidence of results of a recent TB skin test; (3) provide documentation of current immunization for hepatitis B (or waiver form). Because you may be exposed to infectious diseases during your affiliations, some sites may require proof of immunization for other diseases. In addition, you must purchase name tags and malpractice insurance to be eligible for participation in the clinical practica. Membership in the American Physical Therapy Association and attendance at state and national conferences are strongly encouraged.

Eligibility to Apply

You must meet the following requirements to be eligible to apply for June admission to the School of Physical Therapy's doctoral program:

- 1 Earned a bachelor's degree from an accredited college or university by the time you begin the physical therapy program in June. The baccalaureate degree may be in any discipline as long as the prerequisites are met. The most direct routes to complete the prerequisites while earning a baccalaureate degree at Ohio University are the following: Biological Sciences Pre-Physical Therapy, Psychology Pre-Physical Therapy, or Exercise Physiology.
- 2 earned a minimum overall grade-point average (g.p.a.) of 3.0 on a 4.0 scale.
- 3 completed at least two-thirds of the Life and Physical Sciences prerequisite courses at the time of your application. You must complete the remainder of

the math, behavioral, and life/physical science prerequisites during the winter and spring quarters or spring semester before beginning study in the program. Some exceptions may be made if requested in writing and mailed to the Admissions Committee, School of Physical Therapy, Grover Center W290, at the time of application.

Minimum Prerequisite Course Requirements*

General

PSY 221	Statistics for Beh. Sciences (5)
PSY 273	Child and Adolescent Psych (4)
Plus one additional psychology course (not including PSY 221)	

Mathematics

MATH 163A Intro to Calculus (4)

Life and Physical Sciences**

BIOS 170	Intro to Zoology (5)
BIOS 171	Intro to Zoology (5)
BIOS 301	Human Anatomy (6)***
or BIOS 302	Human Anatomy (6)
or BIOS 303	Comp. Vert. Anatomy (6)
BIOS 345, 346	Human Physiology (7)
BIOS 445, 446	Phys. of Exercise (7)
or PESS 414, 415	Phys. of Exercise (7)
CHEM 121, 122, 123	Principles of Chemistry (12)
or CHEM 151, 152, 153	Fundamentals of Chem (15)
PHYS 201, 202, 203	Intro to Physics (15)
Total	75-78 quarter hours

*All prerequisite courses must be passed with a grade of "C" or better.

**All life and physical science courses must include a laboratory component. You must have a total of 20 quarter hours (14 semester hours) at or above the junior (300) level in anatomy, physiology, and exercise physiology lecture and lab courses.

***An intermediate or advanced human anatomy and a basic neuroscience course are strongly recommended.

Application Process

Applications must be received by one of the deadlines indicated on the school's Web site <http://www.ohiou.edu/phytherapy/>. These dates have been in October and December or January prior to the beginning of classes in June. Please check the Web site for any updated information regarding applying to the program including the Physical Therapy Graduate Program admission packet.

Note: you must request official scores for the Graduate Record Examination (GRE) be sent directly from the testing agency. Student-supplied photocopies

are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593. GRE scores must be received by February 1.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1. Copy of Application Submission page or the application transaction (order) ID.
2. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.
3. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-6. Mail this envelope to: Graduate Chair, School of Physical Therapy; Grover Center W290; College of Health and Human Services, Athens, OH 45701-2979.

4. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the School of Physical Therapy (<http://www.ohio.edu/phystherapy>), not the general ones used by the rest of the university.
5. An unofficial transcript, along with course descriptions, from each U.S. postsecondary institution attended. Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

6. Evidence of either an earned baccalaureate degree or plan for degree completion. If you have a degree, your transcript should indicate degree(s) awarded. If you do not have a baccalaureate degree at the time of application but will have one awarded before beginning the professional program in June, submit a plan for completing the degree signed by your advisor. Verification of the completion of degree requirements must be provided before you begin the professional program in June.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1. One completed, signed application (Form 1).
2. One completed, signed Residency Information Form (Form 2).
3. One completed, signed Background Information & References Form (Form 3)
4. Non-refundable application fee (check, cash or money order) payable to Ohio University.
5. Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MHA, please provide three copies.
6. Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were

repeated or taken outside a degree program.

7. International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Graduate Chair, School of Physical Therapy; Grover Center W290; College of Health and Human Services, Athens, OH 45701-2979.

8. Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. These letters are to be on the form available through the School of Physical Therapy (<http://www.ohio.edu/phystherapy/>), not the general ones used by the rest of the university.
 9. An unofficial transcript, along with course descriptions, from each U.S. postsecondary institution attended. Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.
 10. Evidence of either an earned baccalaureate degree or plan for degree completion. If you have a degree, your transcript should indicate degree(s) awarded. If you do not have a baccalaureate degree at the time of application but will have one awarded before beginning the professional program in June, submit a plan for completing the degree signed by your advisor. Verification of the completion of degree requirements must be provided before you begin the professional program in June.
- All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The university retains portfolios of students accepted for admission.
- All non-native speakers of English must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based-test) or

IELTS scores (7.0 overall average). Tests older than two years are not accepted. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Financial assistance, such as assistantships, is available.

Selection

The School of Physical Therapy admissions committee considers the following in ranking and selecting eligible applicants:

- 1 Overall g.p.a.
- 2 Prerequisite life and physical sciences g.p.a.
- 3 Interview (preview day)
- 4 References (3 are required using the form on the Physical Therapy Web site).
- 5 GRE scores
- 6 Relevant life experiences

Typically 36 students are admitted yearly. You will be notified of acceptance no later than late April.

Eligibility Requirements to Begin Physical Therapy Coursework

If admitted, you must meet the following requirements before you begin physical therapy coursework in June:

- 1 Completion of all prerequisite coursework.
- 2 Completion of a baccalaureate degree.

Program of Study

The following is a listing of the courses required in the three-calendar-year graduate professional education program in physical therapy.

First-Year Coursework

PT 701	Anatomical Dissection I (5)
PT 703	Clinical Skills and Examination I (4)
PT 704	Clinical Skills and Examination II (4)
PT 705	PT Evaluation Case Studies (2)
PT 711	Pathophysiology in Physical Therapy (2)
PT 715	Imaging in Physical Therapy (2)
PT 730	Clinical & Profession Orientation (2)
PT 731	Professional Communication and Documentation (3)
PT 740	Clinical Research I: Design (3)

PT 741	Clinical Research II: Data Analysis (3)
PT 750	Neuroanatomy for Physical Therapy (2)
PT 751	Neural I: System Framework (4)
PT 752	Neural II: Management of Adult Stroke (4)
PT 763	Bioinstrumentation in Rehabilitation (3)
PT 765	Physical Agents (3)
PT 770	Tissue Mechanics (4)
PT 771	Ortho I: Upper Quarter (4)
PT 772	Ortho II: Lower Quarter (4)
PT 781	Clinical Experience I (1)
PT 782	Clinical Experience II (1)

Second-Year Coursework

PT 702	Anatomical Dissection II (2)
PT 713	Pharmacology in Physical Therapy (2)
PT 742	Clinical Research III: Evidence-based Practice (3)
PT 743	Critical Analysis of Scientific Literature (2)
PT 745	Scientific Writing (1)
PT 753	Neural III: Management of Traumatic Brain Injury (4)
PT 754	Neural IV: Management of Chronic or Progressive Disability (4)
PT 773	Ortho III: Spine (4)
PT 774	Orthopedics IV: Extremity Seminar (3)
or PT 775	Orthopedics V: Spine Seminar (3)
PT 776	Manual Therapy I (2)
PT 833	Regulation and Reimbursement in Physical Therapy (3)
PT 834	Planning Physical Therapy Services (2)
PT 841	Pediatrics I: Neuromuscular Development (3)
PT 860	Synthesis Laboratory I (2)
PT 861	Synthesis Laboratory II (2)
PT 863	Differential Diagnosis Physical Therapy I (3)
PT 864	Differential Diagnosis Physical Therapy II (3)
PT 865	Wound Care and Integumentary System (2)
PT 866	Cardiopulmonary Physical Therapy (4)
PT 880	Clinical Practicum I (10)
PT 894	Research/Capstone (1-3)

Third-Year Coursework

PT 746	Scientific Presentation (1)
PT 755	Neural V: Neurorehabilitation Seminar (3)
PT 777	Manual Therapy II (2)
PT 835	Management & Leadership in Physical Therapy (4)
PT 837	Legal and Ethical Issues in Physical Therapy (2)

PT 842	Pediatrics II: Orthopedic Development (2)
PT 850	Management of Aging (4)
PT 862	Synthesis Seminar (2)
PT 881	Clinical Practicum II (10)
PT 882	Clinical Practicum III (3)
PT 883	Clinical Practicum IV (10)
PT 894	Research/Capstone (1-3)

Select two courses (six hours) from:

PT 756	Advanced Neuroscience Seminar (3)
PT 790	Independent Study (1-4)
PT 843	Pediatrics III: Advanced Pediatrics (3)
PT 851	Temporomandibular Joint (3)
PT 852	Sports Physical Therapy (3)
PT 853	Industrial Rehabilitation and Ergonomics (3)
PT 854	Physical Therapy Management of Women's Health (3)

Physical Therapy Courses (PT)

701 Anatomical Dissection I (5)

Prereq: Admission to DPT program. Dissection and radiographic anatomy of the spine, lower extremity, and upper extremity as related to physical therapy. 3 lec., 6 lab. *Su; Y.*

702 Anatomical Dissection II (2)

Prereq: 701. Dissection and radiographic anatomy of the thorax, peritoneum and head as related to physical therapy. 1 lec., 3 lab. *Su; Y.*

703 Clinical Skills and Examination I (4)

Prereq: Admission to DPT program. Beginning course in functional anatomy, bony and soft tissue palpation, goniometry, manual muscle testing, movement analysis, and the foundations of therapeutic exercise. 2 lec., 4 lab. *Su; Y.*

704 Clinical Skills and Examination II (4)

Prereq: 703. Builds on PT 703; further organization and development of basic examination skills. Develop medical history-taking skills and organize physical examination sequence. Emphasis on postural and gait analyses. 2 lec., 4 lab. *F; Y.*

705 PT Evaluations: Case Studies (2)

Introduction to evaluation formats and procedures to complement the clinical decision-making process concurrently taught. Focus on presenting general and specialty evaluations by clinicians, with opportunities for discussion, practice, and critique. 1 lec., 2 lab. *F; Y.*

711 Pathophysiology in Physical Therapy (2)

Prereq: 701. Application of physiological principles to the study of disease and injury. Emphasis on etiologies and classifications of pathology and the implications of pathophysiology for physical therapy evaluation and treatment. 2 lec. *F; Y.*

713 Pharmacology in Physical Therapy (2)

Prereq: 711. Discussion of pharmacology and its implication in physical therapy. Emphasis on drug classifications and drug mechanism of action. 2 lec. *Sp; Y.*

715 Imaging in Physical Therapy (2)

Prereq: Admission to DPT program. Medical imaging course which covers plane x-ray, MRI, functional MRI, CT scan, positron emission tomography (PET) scan, and ultrasound as related to physical therapy. 2 lec. *F; Y.*

730 Clinical & Profession Orientation (2)

Prereq: 703. Introduce professional role responsibilities and patient problems involved in different clinical settings. Foundational information on physical therapy practice. 2 lec. *Su; Y.*

731 Professional Communication and Documentation (3)

Prereq: 730. Focus on professional communication skills and documentation skills for physical therapy practice. Application of educational practices and the development of instructional programs for clients and families across cultures. 3 lec. *W; Y.*

740 Clinical Research I: Design (3)

Prereq: 703. Discussion of basic research design as related to physical therapy practice. Design and analysis considers qualitative, quantitative and epidemiological models. Emphasis on acquiring the skills to critically analyze research. 3 lec. *W; Y.*

741 Clinical Research II: Data Analysis (3)

Prereq: 740. Ability to use and interpret statistical analyses including multiple comparison tests, multivariate tests, regression models, and Chi-square tests. Applications made to the capstone project and evidence-based practice within the profession of physical therapy. 3 lec. *Sp; Y.*

742 Clinical Research III: Evidence-based Practice (3)

Prereq: 741. Focuses on evidence-based practice as a foundation for clinical decision-making in physical therapy. 3 lec. *W; Y.*

743 Critical Analysis of Scientific Literature (1)

Prereq: 742. Continues development of the student's ability to critically analyze published biomedical scientific literature and to apply results from studies to the clinical practice of physical therapy. 1 lec. *Su; Y.*

745 Scientific Writing (1)

Prereq: 743. Development of scientific writing skills for the capstone project in physical therapy. 1 lec. *W; Y.*

746 Scientific Presentation (1)

Prereq: 745. Development of professional presentation skills for the dissemination of the capstone project. 1 lec. *F; Y.*

750 Neuroanatomy for Physical Therapists (3)

Prereq: 701. Neuroanatomical study of the human brain emphasizing motor function and clinical considerations relative to physical therapy. 2 lec., 2 lab. *F; Y.*

751 Neural Basis of Movement I: Systems Framework (4)

Prereq: 750. Focus on motor control deficits that occur when one or more systems are not functioning optimally. 4 lec. *W; Y.*

752 Neural Basis of Movement II: Management of Adult Stroke (4)

Prereq: 751. Apply knowledge of neuroanatomy and motor control systems to the physical therapy evaluation and treatment of persons who have focal lesions, such as a stroke, within the brain. Emphasis on motor learning and functional re-training. 2 lec, 4 lab. *Sp; Y.*

753 Neural Basis of Movement III: Management of Traumatic Brain Injury (4)

Prereq: 752. Apply knowledge of motor control and motor learning theory to the assessment and treatment of patients with diffuse lesions within the brain. Focus on a systems approach to clinical decision-making and case management. 3 lec; 3 lab. *Su; Y.*

754 Neural Basis of Movement IV: Management of Chronic or Progressive Disability (4)

Prereq: 753. Apply knowledge of disease progression, motor control and motor learning to the assessment and management of patients with chronic or progressive disease or injury of the spinal cord or brain. Stresses timely intervention and prevention of secondary impairments, functional limitations, and disability over the course of an illness or disease. 3 lec., 3 lab. *W; Y.*

755 Neural Basis of Movement V: Neurorehabilitation Seminar (3)

Prereq: 753. Exploration of the literature relative to evidence-based practice in the assessment and management of patients with neurological disorders. New management techniques will be stressed. 3 lec. *F; Y.*

756 Advanced Neuroscience Seminar (3)

Prereq: 753. Exploration of topics in neuroscience, particularly new scientific discoveries that can be important to management of physical therapy. 3 lec. *W; A.*

763 Bioinstrumentation in Rehabilitation (3)

Prereq: 704. Introduces principles of bioinstrumentation in order to facilitate the students' understanding of the instrumentation used in healthcare practice and research. 2 lec., 3 lab. *W; Y.*

765 Physical Agents (3)

Prereq: 765. Introduces theoretical constructs for the use of physical agents in the treatment of patients by physical therapists. Practice application of both thermal and electric physical agents using a case based approach. 2 lec., 3 lab. *Sp; Y.*

770 Tissue Mechanics (4)

Prereq: 703. Discussion of biological, histological and biomechanical principles of connective tissues, bone, and muscle as applied to physical examination and therapeutic exercise. 3 lec., 2 lab. *F; Y.*

771 Orthopedics I: Upper Quarter (4)

Prereq: 770. Orthopedic examination and treatment of the upper quarter of the musculoskeletal system for physical therapists. Begins development of manual skills and of appropriate exercise programs for the upper quarter. 2 lec., 4 lab. *W; Y.*

772 Orthopedics II: Lower Quarter (4)

Prereq: 771. Orthopedic examination and treatment of the lower quarter of the musculoskeletal system for physical therapists. Begins development of manual skills and of appropriate exercise programs for the lower quarter. 2 lec., 4 lab. *Sp; Y.*

773 Orthopedics III: Spine (4)

Prereq: 772. Orthopedic examination and treatment of the spine for physical therapists. Further development of manual skills and of appropriate exercise programs for the spine. 2 lec., 4 lab. *Su; Y.*

774 Orthopedics IV: Extremity Seminar (3)

Prereq: 773. Continues the student's theoretical knowledge of extremity function, biomechanics, pathology, and treatment. 3 lec. *W; Y.*

775 Orthopedics V: Spine Seminar (3)

Prereq: 773. Continue the student's theoretical knowledge of spinal function, biomechanics, pathology, and treatment. 3 lec. *W; Y.*

776 Manual Therapy I (2)

Prereq: 773. Presents various theories of manual therapy relative to extremity diagnoses. Focuses on the treatment efficacy of each theory as it relates to physical therapy practice. 1 lec., 2 lab. *W; Y.*

777 Manual Therapy II (2)

Prereq: 776. Presents various theories of manual therapy relative to spinal conditions. Concept and skills build on work from PT 776. Focuses on treatment efficacy relative to physical therapy practice. 1 lec., 2 lab. *Sp; Y.*

781 Clinical Experience I (1)

Prereq: 703. Clinical experience under the supervision of clinical faculty during which students practice skills previously learned in the classroom and lab. 3 lab. *W; Y.*

782 Clinical Experience II (1)

Prereq: 781. Continuation of clinical experience under the supervision of clinical faculty during which they practice skills previously learned. 3 lab. *Sp; Y.*

790 Independent Study (1-4)

Prereq: 703. Students will work with physical therapy faculty and/or staff on the completion of an independent study contract related to the student's particular interest. 2-12 lab. *F; W, Sp, Su; Y.*

833 Regulation and Reimbursement in Physical Therapy (3)

Prereq: 731. Focuses on third party reimbursement and federal and state regulations within the healthcare setting. 3 lec. *W; Y.*

834 Planning Physical Therapy Services (2)

Prereq: 833. Provides basic knowledge and skills needed to plan for physical therapy services. Topics include organizational theory and design, as well as planning for space, personnel, and budget needs of a physical therapy practice. 2 lec. *Sp; Y.*

835 Management and Leadership in Physical Therapy (4)

Prereq: 834. Provides basic knowledge and skills needed to manage physical therapy services. Topics include utilizing equipment, leading and supervising personnel, developing and executing mission statements and strategic plans, and implementing budgetary policies and procedures. 4 lec. *F; Y.*

836 Analysis of Professional Issues in Physical Therapy (2)

Prereq: 835. Develops skills necessary for the analysis of physical therapy education, research, and practice. Emphasis on aspects of physical therapy evaluation and treatment, both on the patient and program level. 2 lec. *W; Y.*

837 Legal and Ethical Issues in Physical Therapy (2)

Prereq: 835. Provides an ethical and legal framework for clinical problem solving in the practice of physical therapy. Focuses on personal and professional assessment of complex issues in health care delivery. 2 lec. *W; Y.*

841 Pediatrics I: Neuromuscular Development (3)

Prereq: 752. Assessment and management of children with selected neuromuscular problems that arise in infancy and childhood. 2 lec., 2 lab. *Sp; Y.*

842 Pediatrics II: Orthopedic Development (2)

Prereq: 841. Development of the musculoskeletal system and remediation of musculoskeletal problems in infants, children, and adolescents. 1 lec., 2 lab. *F; Y.*

843 Pediatrics III: Advanced Pediatrics (3)

Prereq: 842. Provides additional knowledge and skills in selected areas of pediatric physical therapy. 3 lec. *W; A.*

850 Management of Aging (4)

Prereq: 713. Examines current theories on aging, strategies for prevention of physical and cognitive impairments, and the physical therapy management of common disorders. 3 lec., 3 lab. *F; Y.*

851 Temporomandibular Joint (3)

Prereq: 774 or concurrent. Presentation of current concepts of the temporomandibular joint (TMJ) normal anatomy and function, physical therapy evaluation and treatment, and medical/dental interventions. Topics will be related to current clinical practice and research supported practices. 2 lec., 2 lab. *W; A.*

852 Sports Physical Therapy (3)

Prereq: 777. Builds on previous orthopedic physical therapy courses by focusing on injuries encountered during various levels of athletic participation from Little League to Senior Olympics. 2 lec., 2 lab. *W; A.*

853 Industrial Rehabilitation and Ergonomics (3)

Prereq: 777. Management of patients in the industrial setting. Focuses on functional capacity evaluation, human factors analysis, ergonomic evaluation, administrative controls, return to work strategies, work reconditioning, and work hardening. 3 lec. *W; A.*

854 Physical Therapy Management of Women's Health (3)

Prereq: 864. Integrates normal structure and function of the female urogenital system with normal events, such as pregnancy and menopause, as well as with pathophysiology such as incontinence and pelvic pain. Physical therapy assessment, diagnosis, and management will be emphasized. 2 lec., 2 lab. *W; A.*

860 Synthesis Laboratory I (2)

Prereq: 772. Integrates knowledge and skills from previous and concomitant courses to solve elementary clinical problems related to the musculoskeletal and neurological systems under the guidance of physical therapy faculty in a problem-based learning format. 1 lec., 2 lab. *Su; Y.*

861 Synthesis Laboratory II (2)

Prereq: 860. Integrates knowledge and skills from previous and concomitant courses to solve complex clinical problems related to chronic disabilities, cardiopulmonary issues, oncology, and burns under the guidance of physical therapy faculty in a problem-based learning format. 1 lec., 2 lab. *Sp; Y.*

862 Synthesis Seminar (2)

Prereq: 861. Incorporates skills and knowledge from multiple disciplines as well as from previous and concomitant courses, including legal and ethical issues and issues surrounding reimbursement to address problems in multiple trauma patients in a problem-based learning format related to the solution of clinical problems. 2 lec. *W; Y.*

863 Differential Diagnosis in Physical Therapy I (3)

Prereq: 711. Process of differential diagnosis and application in the practice of physical therapy. 2 lec., 2 lab. *Su; Y.*

864 Physical Therapy Differential Diagnosis II (3)

Prereq: 863. Prepares the student to identify the patient with systemic pathologies requiring further consultation or referral to other health care providers through principles of differential diagnosis. 2 lec., 2 lab. *Sp; Y.*

865 Wound Care and Integumentary System (2)

Prereq: 765. Assessment and treatment principles and techniques associated with the physical therapy management of integumentary system pathology. 1 lec., 2 lab. *W; Y.*

866 Cardiopulmonary Physical Therapy (4)

Prereq: 711. Provides the knowledge and skills necessary to evaluate and treat individuals with cardiopulmonary problems. 4 lec. *Sp; Y.*

881 Clinical Practicum I (10)

Prereq: 881. Provides students with a supervised experience at a selected acute care or primary care clinical site. Students are given the opportunity to develop basic clinical skills in assessment and management of patients with elementary clinical conditions under the direct supervision of clinical faculty. 40 lab. *F; Y.*

882 Clinical Practicum II (10)

Prereq: 880. Provides students with a supervised clinical experience at a different site than previously used. Students will develop intermediate-level clinical skills in the assessment and management of patients with more complex neurologic and orthopedic conditions. Patients with integumentary, pediatric, and cardiopulmonary disorders will also be encountered. 40 lab. *Su; Y.*

883 Clinical Practicum III (3)

Prereq: 881. Provides students with a supervised experience at a specialized clinical site. Students are given the opportunity to develop specialty clinical skills in assessment and management of patients with conditions related to the area of specialization under the direct supervision of clinical faculty during a four week period. 40 lab. *W; Y.*

884 Clinical Practicum IV (10)

Prereq: 882. Provides students with a supervised period of study at a selected clinical site emphasizing complex patient problems/multiple trauma. Students are given the opportunity to develop advanced clinical skills in assessment, decision-making, and management of patients under the direct supervision of clinical faculty. 40 lab. *Sp; Y.*

894 Research/Capstone (1-3)

Prereq: 740. Student has a mentoring relationship with a faculty member concerning the student's chosen research topic. 2-9 lab. *F; W; Sp; Y.*

The school provides a unique "summers only" master's program, which allows public school teachers and others with a flexible summer schedule to complete the requirements for a master's degree in coaching education in three consecutive summer sessions. Coursework is presented on a three-year cycle that requires consecutive attendance.

The maximum time allowed between the date that you first initiate graduate study toward a master's degree option and the date that you complete the requirements for the degree is six calendar years. Full-time students can typically complete the coaching education and recreation studies concentrations in one academic year; the athletic training education concentration in 12 months. The physiology of exercise-clinical concentration can be completed in five (5) quarters. The physiology of exercise-research and sports administration/business administration (dual degree) programs can be completed in two academic years.

One may transfer a maximum of 12 quarter hours of graduate credit from an accredited university, providing the credit to be transferred has been designated graduate credit at the institution where taken, is letter graded B or better, was earned in the past five years, was applicable toward an advanced degree at the institution where taken, and is approved by your advisor and graduate coordinator. Credit for courses taken by correspondence cannot be accepted toward meeting the required minimum hours.

In collaboration with Ohio University Without Boundaries (OUWB), the school also offers an online Master of Science in Recreation and Sport Sciences with a concentration in athletic administration. This online master's degree program is designed specifically for high-energy, high-potential interscholastic athletic administrators; for individuals who have demonstrated their drive and capability through a minimum of two to four years of athletic administration, and for interscholastic athletic administrators who aspire to be leaders of world-class athletic programs that make a difference in the lives of young people.

School of Recreation and Sport Sciences

<http://www.ohiou.edu/rsps/>

The School of Recreation and Sport Sciences offers three master's degrees: Recreation and Sport Sciences, Physiology of Exercise, and Sports Administration. The Master of Science in Recreation and Sport Sciences offers concentrations in athletic training education, coaching education, and recreation studies. The school also offers programs leading to the Master of Science in Physiology of Exercise (M.S.) with clinical or research concentrations and the Master of Sports Administration (M.S.A.). The school, in cooperation with the College of Business, has established a dual Master of Business Administration and Master of Sports Administration (M.B.A./M.S.A.) program.

Master of Science in Recreation and Sport Sciences

(Concentrations in athletic training education, coaching education, and recreation studies.)

Eligibility to Apply

You must meet the following requirements to be considered for unconditional admission to the School of Recreation and Sport Sciences graduate concentrations in athletic training education, coaching education, and recreation studies:

1 Earned bachelor's degree in athletic training education, physical education, sport sciences, recreation or field related to your selected area of study from an accredited college or university. If your bachelor's degree is in an unrelated field, you may be admitted conditionally. To be admitted unconditionally for fall, you must successfully complete 12 hours of graded graduate coursework in the summer prior to fall matriculation, with an overall 3.0 g.p.a.

2 Minimum overall undergraduate grade-point average (g.p.a.) of 2.7 on a 4.0 scale on last 90 quarter hours or last 60 semester hours

3 Satisfactory Graduate Record Examination (GRE) scores.

Application Process

Applications for admission are accepted for summer or fall. Typically, all applications for both admission and financial aid for the next academic year must be received by March 1 unless indicated differently. Applicants to the athletic training education program must apply by February 1. For "summers only" option, all application materials must be received by June 1.

Note: you must request official scores for the Graduate Record Examination (GRE) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 Copy of Application Submission page or the application transaction (order) ID.

2 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

3 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-7 (as applicable). Mail this envelope to: Graduate Chair, School of Recreation and Sport Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

4 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. At least one of your references must be an individual who can attest to your qualifications in your chosen field and one from an academic faculty member who can support your ability to produce successful academic work at the graduate level. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/index.cfm>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

NOTE: athletic training education

applicants should use the forms provided in the supplemental application packet.

5 One-two page typed biography that includes information about your background and experiences and how they relate to your future career goals.

6 A resume, including your educational background and professional work experience.

7 For athletic training education applicants, please submit forms included in the supplemental application packet.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 One completed, signed application (Form 1).

2 One completed, signed Residency Information Form (Form 2).

3 One completed, signed Background Information & References Form (Form 3)

4 Non-refundable application fee (check, cash or money order) payable to Ohio University.

5 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.

6 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7 International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-11 (as applicable). Mail this envelope to: Graduate Chair, School of Recreation and Sport Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

8 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. At least one of your references must be an individual who can attest to your qualifications in your chosen field and one from an academic faculty member who can support your ability to produce successful academic work at the graduate level. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/index.cfm>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference. NOTE: athletic training education applicants should use the forms provided in the supplemental application packet.

9 One-two page typed biography that includes information about your background and experiences and how they relate to your future career goals.

10 A resume, including your educational background and professional work experience.

11 For athletic training education applicants, please submit forms included in the supplemental application packet.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The university retains portfolios of students accepted for admission.

NOTE: If you are applying to the athletic training education concentration, an

on-campus interview at your expense is required. Since all accepted students participate in a partnership program to provide athletic training services at affiliate sites such as high schools, colleges or clinics, it is necessary to match qualifications with site needs.

All non-native speakers of English must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based test) or IELTS score (7.0 overall average). Tests older than two years are not accepted. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Information regarding graduate assistantships can be found on the school's Web site, <http://www.ohiou.edu/rsps/>.

Program Requirements

Requirements for each option vary depending on whether you select the thesis or nonthesis option. The thesis option requires 45 quarter hours of coursework, which includes six hours dedicated to the completion of the thesis. The nonthesis option requires a minimum of 50 quarter hours of coursework. If you select the nonthesis option, you are required to complete a capstone outcome assessment, such as a final project, written, oral and/or practical comprehensive examinations, mentored writing experience, or professional portfolio. Programs of study are planned with your academic advisor, taking into consideration your undergraduate preparation and professional goals.

Athletic Training Education. The athletic training education program requires a summer admission with four consecutive quarter assignments to complete the degree. Partnership assignments begin during the second summer term; thus, if you are accepted, you must be NATA-certified by your August assignment start date. Tuition scholarships and stipends are available to qualified students.

Concentration requirements are:

PESS 608	Research Methods and Statistics (5)
RSAT 601	Athletic Training Competencies and Skills Assessed (4)
RSAT 621	Biomechanics of Sport Injury Rehabilitation (4)

RSAT 631	Neuromuscular Programming and Sport Injury (4)
RSAT 641	Administrative Aspects & Clinical Supervision Athletic Training (4)
RSAT 650	Practicum (1-5)
RSAT 651	Medical Aspects (3)
RSAT 655	Advanced Theory in Therapeutic Modalities (4)
RSAT 661	Human Anatomy for Athletic Training (4)
RSAT 670	Instrumentation in Athletic Training Research (3)
RSAT 671	Athletic Training Research I (3)
RSAT 672	Athletic Training Research II (3)
RSAT 680	Research Seminar in Athletic Training (3)

In addition, you must complete 1,000 clinical hours, which are built into the program.

Coaching Education. The coaching education concentration is designed to provide you with course work and appropriate experiences that prepare one to coach at any level; youth sports, interscholastic or intercollegiate athletics. An undergraduate major in physical education or closely related field is strongly recommended. Current certification in First Aid and CPR, prior to the start of classes, for all students admitted into this concentration is required.

Concentration requirements* are:

PESS 606	Organization and Administration of Physical Education and Sport (4)
PESS 608 (5)	Research Methods and Statistics (5)
PESS 620	Foundation of Coaching (4)
PESS 621	Physiological Basis of Athletic Performance (4)
PESS 622	Resistance Training for Athletic Performance (4)
PESS 624	Legal Foundation and Risk Management in Athletics (4)
PESS 625	Analysis of Performance in Sports (4)
PESS 635	Psychology of Coaching (4)
PESS 642	Ethics in Sports (4)
PESS 650	Practicum I (1-6)

*Note: Students who do not have an exercise physiology background are also required to take PESS 631, Performance and Conditioning for Coaches (3).

Recreation Studies. The recreation studies concentration is designed to provide a comprehensive program that includes appropriate coursework and practical experiences in recreation. The program prepares you for a multitude

of employment opportunities in the recreation profession.

Concentration requirements are:

PESS 608 (5)	Research Methods and Statistics
REC 601	Contemporary Issues (4)
REC 617	Leisure and Sport in Society (4)
REC 649	Administration of Community Recreation (4)
REC 650	Practicum (1-6)
REC 670	Advanced Issues in Campus Recreations (4)
REC 675	Adventure Programming (3)
SAFM 670	Financial Administration of Sport Facilities and Programs (4)

Master of Science in Recreation and Sport Sciences with a Concentration in Athletic Administration (Online)

The Master of Science in Recreation and Sport Sciences with a concentration in athletic administration is an online program that combines the personal touch of high-intensity residential experiences with the “anytime, anyplace” convenience and ease of access of online education enabled by the latest in information technology.

The program is a lock-step program lasting 27 months. All participants start together and work together as a learning community throughout the program. Likewise, there is a faculty team that works with participants throughout the program. You'll form a network that will support you in your learning efforts, advise you on work issues, and continue even after you receive your degree.

There are three residencies during the program. The first is a one-week orientation residency on the Ohio University campus in Athens, Ohio. It kicks off the program and is held in June. The other two residencies are held in conjunction with the national meetings of NFHS/NIAAA in December.

Residencies are intense face-to-face learning experiences with your fellow participants and faculty. Be prepared: we'll work long hours to maximize the benefits of our time together. During the residencies, we focus on start-up of

courses, do learning assessments, and work on some skill areas that are best learned in a face-to-face environment. Residencies also give us an opportunity to “get to know each other” in a way that is not as possible in a purely online learning format.

Between residencies, you will collaborate with your fellow participants and with the faculty on the Ohio University Without Boundaries (OUWB) intranet. You will also participate in interactive, multimedia learning modules that will help you develop a deep understanding of the content and help you apply that content in the work setting.

Most learning modules will use a unique, challenge-based format that engages you with an applied situation before you even start learning the content. You will re-address the challenge at the end of the module to ensure that you have mastered the content and can apply it in the workplace. We have found that the challenge-based learning format gets you more engaged with your learning more rapidly. Further, since you learn the required content in the context of its use, you develop an active using knowledge that can more readily be recalled and used in the workplace. Besides, it is simply more fun to learn by being challenged than it is to try to memorize a dry set of facts!

Eligibility to Apply

You must meet the following requirements to be considered for unconditional admission to the School of Recreation and Sport Sciences graduate program in athletic administration (online):

1 Earned bachelor's degree in athletic training education, physical education, sport sciences, recreation or field related to athletic administration from an accredited four-year college or university. If your degree is in an unrelated field, you may be admitted conditionally.

2 Minimum overall undergraduate grade-point average (g.p.a.) of 2.70 on a 4.0 scale on last 90 quarter hours or last 60 semester hours.

3 Minimum of three years of experience in interscholastic athletics/coaching.

Application

The following materials must be received before your application can be considered for admission:

1 Completed application questionnaire (the questionnaire can be obtained from the Web site, <http://www.ouwb.ohiou.edu/maa/>)

2 Official transcripts from each post-secondary institution attended.

3 Three letters of recommendation, one of which must come from your immediate supervisor.

4 A two to four page essay discussing your career goals, noting how the master's degree will help you achieve your career goals, and noting areas or competencies that you expect the program will help you strengthen or develop.

5 GRE and GMAT scores are not required but will be considered if they are submitted.

6 Career essay.

Applications for admission are accepted for summer only. Application materials may be submitted by e-mail or by hard copy.

E-mails should be directed to: ouwb@ohio.edu.

Hard copy should be sent to: Ohio University Without Boundaries, 42 West Union Street, Athens, OH 45701.

All application information must be received by March 30.

Program Requirements

To complete the program of study leading to the Master of Science in Recreation and Sport Sciences with a concentration in athletic administration, the student should satisfactorily complete the required graduate coursework with a minimum of fifty (50) quarter hours.

PESS 600	Directed Individual Studies (2)
PESS 604	Administration of Interscholastic Athletic Programs (4)
PESS 624	Legal Foundations and Risk Management in Athletics (4)
PESS 642	Ethics in Sports (4)
PESS 654	Management and Leadership in Sport (4)
PESS 688	Contemporary Issues in Sport Sciences (4)
SASM 610	Athletic Administration Seminar (4)
SASM 626	Sport Governance and Policy Development (4)

SASM 648	Management of Public Assembly Facilities (4)
SASM 655	Sports and Sports Consumers (4)
SASM 670	Financial Administration of Sport Facilities and Programs (4)
SASM 667	Human Resource Management in Sport Organizations (4)
SASM 670	Financial Administration of Sport Facilities and Programs (4)
SASM 691	Seminar (4)

Master of Science in Physiology of Exercise

The Master of Science in Physiology of Exercise is a degree program that allows specialization in two different concentration areas: Physiology of Exercise—Research, and Physiology of Exercise—Clinical.

Eligibility to Apply

You must meet the following requirements to be considered for unconditional admission to the School of Recreation and Sport Sciences graduate program in physiology of exercise:

- 1 Earned bachelor's degree in physical education, sport sciences, or related field from an accredited college or university.
- 2 Minimum overall undergraduate grade-point average (g.p.a.) of 3.0 on a 4.0 scale.
- 3 Satisfactory Graduate Record Examination (GRE) scores.

Application Process

Applications for admission are accepted for summer or fall. Typically, all applications for both admission and financial aid for the next academic year must be received by March 1. International students must apply by February 1.

All non-native speakers of English must demonstrate proficiency by submission of official TOEFL (550 minimum paper-based test/213 computer-based test) or IELTS score (7.0 overall average). Tests older than two years are not accepted. See elsewhere in this catalog for exemptions and more details regarding English proficiency requirements.

Note: you must request official scores for the Graduate Record Examination

(GRE) be sent directly from the testing agency. Student-supplied photocopies are not accepted as official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979

- 1 Copy of Application Submission page or the application transaction (order) ID.
- 2 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf.
- 3 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-6. Mail this envelope to: Graduate Chair, School of Recreation and Sport Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979.

- 4 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. At least one of your references must be an individual who can attest to your qualifications in your chosen field and one from an academic faculty member who can support your ability to produce successful academic work at the graduate level. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>).

Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

5 A two-page typed biography that includes information about your background and experience and how they relate to your future career goals.

6 A resume, including your educational background and professional work experience.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

- 1 One completed, signed application (Form 1).
- 2 One completed, signed Residency Information Form (Form 2).
- 3 One completed, signed Background Information & References Form (Form 3).
- 4 Non-refundable application fee (check, cash or money order) payable to Ohio University.
- 5 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MHA, please provide three copies.
- 6 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7 International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Graduate Chair, School of Recreation and Sport Sciences; c/o Molly deLaval; Grover Center W361; College of Health and Human Services, Athens, OH 45701-2979

8 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. At least one of your references must be an individual who can attest to your qualifications in your chosen field and one from an academic faculty member who can support your ability to produce successful academic work at the graduate level. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

9 A two-page typed biography that includes information about your background and experience and how they relate to your future career goals.

10 A resume, including your educational background and professional work experience.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The university retains portfolios of students accepted for admission.

Information regarding graduate assistantships can be found on the school's web site, <http://www.ohio.edu/rsp/>.

Financial assistance, such as assistantships, is available. Information regarding graduate assistantships can be found on the school's Web site.

Program Requirements

All Physiology of Exercise degree candidates must complete the following core courses:

Required Common Core:

PESS 608	Research Methods and Statistics (5)
PESS 656	Advanced Physiology of Exercise (4)
PESS 657	Advanced Physiology of Exercise Laboratory (3)
PESS 658	Topics in Cardiovascular Evaluation (4)
PESS 659	Exercise Metabolism (4)
PESS 660	Advanced Biomechanics (4)
HCFN 660	Nutrition for Sport and Fitness (4)

Research Concentration

The research specialization is a two-year program that requires the completion of a master's thesis. This concentration requires the completion of 47 quarter-hours of coursework, which includes six hours dedicated to the completion of the thesis. This program is designed to prepare students to work in an academic or research environment. A strong background in biological sciences, including organic chemistry, physics, calculus, human anatomy, physiology and exercise physiology is recommended.

In addition to the courses required in the common core, the following courses are also required:

BIOS 542	Principles of Physiology I (3)	
BIOS 543	Principles of Physiology II (3)	
PESS 609	Statistics for Sport Sciences (4)	or
BIOS 670	Biostatistics I (5)	or
EDRE 720	Educational Statistics (5)	or
ISE 504	Applied Engineering Statistics (3)	or
PESS 695	Thesis (6)	

Clinical Concentration

The clinical specialization is a five quarter program, designed to prepare students to work as preventative and rehabilitative specialists (as certified by the American College of Sports Medicine [ACSM]) in a variety of settings including corporate fitness programs, wellness centers, fitness clubs, universities, and clinical sites. This concentration requires the completion of 47 quarter-hours of coursework and the completion of comprehensive examinations at the end of the academic program.

In addition to the courses required in the common core, the following courses are also required:

PESS 616	Intro to Sports Physiology & Adult Fitness (4)
PESS 617	Principles of Exercise Prescription (3)
PESS 652	Advanced Laboratory Techniques in Sport Physiology and Adult Fitness (3)
PESS 661	Internship in Sport Physiology and Adult Fitness (5-15)

Master of Sports Administration

<http://www.ohio.edu/rsp/gradsafm.htm>

Combining classroom and practical learning, the Ohio University Sports Administration & Facility Management program prepares students for leadership positions in the sport and entertainment industries. The Sports Administration & Facility Management program offers three degree options. The M.B.A./M.S.A. degree is a 24-month (eight quarter) program leading to dual degrees: Master of Business Administration and Master of Sports Administration. The Master of Sports Administration (M.S.A.) degree is a 12-month (four quarter) program. The J.D./M.S.A. option is a joint degree program with the Capital University Law and Graduate Center leading to a Juris Doctorate from Capital University (Columbus, Ohio) and a Master of Sports Administration from Ohio University. For more information see the Sports Administration Program Web site, <http://www.ohio.edu/sportsad/>.

While an undergraduate major in business is desirable, it is not mandatory. Work experience and participation in sport/entertainment-related positions are advantageous to being admitted into this highly selective program.

Master of Business Administration/ Master of Sports Administration (M.B.A./M.S.A.) (limited enrollment) Program of Study

Ohio University's M.B.A./M.S.A. program is a 24-month, 115 quarter hour program. The full-time M.B.A. program is a lock-step 72-credit hour, four academic quarter intensive learning program. The program begins in June and ends one year after in August. All students must begin their

M.B.A. study in mid-June with an intensive 10-week prerequisite program.

Twelve of the 72 hours will satisfy the requirements of both the M.B.A./M.S.A. programs. **Students enrolled in the M.B.A./M.S.A. dual degree program will use their 12 specialization credits to focus on sports/entertainment management, and the fourth quarter (summer) to do their M.B.A./M.S.A. internship.** The M.S.A. program requires the completion of 55-credit hours, of which 12 will have been earned while working on the M.B.A. The M.S.A. curriculum is interdisciplinary, allowing students to concentrate in areas related to communication, finance, higher education, journalism, management, and/or marketing. The M.B.A. program is fully accredited by the American Assembly of Collegiate Schools of Business. Additional information on the Ohio University Master of Business Administration can be found in the College of Business section of this catalog. New enrollment in the M.B.A./M.S.A. dual-degree program is limited to 25 students per year. For more information contact the College of Business at <http://www.cob.ohiou.edu/grad/mba.asp>

Master of Sports Administration (M.S.A.) Program of Study (limited enrollment)

Prospective students with earned graduate degrees in law or business, may be considered for the one-year M.S.A. program. The M.S.A. program requires the completion of 55 credit hours—50 hours earned in at least three academic quarters of residence at Ohio University followed by a 5-credit hour internship.

While each student's M.S.A. curriculum is unique, most concentrate on communications, higher education, journalism, management, marketing, and/or facility management. The internship lasts from three months to a year and may include such areas as public relations, promotions, fund raising, ticket sales, event operations, sports information, and business management. Internship opportunities have been provided by more than 400 different organizations throughout the world, including professional teams, corporate services, sports facilities, arenas, and collegiate programs.

Juris Doctorate/Master of Sports Administration (J.D./M.S.A.) Program of Study

With increasing frequency, sports administration and facility management professionals are faced with a wide variety of legal issues. The combination of a law degree and an M.S.A. can provide graduates with further flexibility in pursuing career opportunities. Ohio University's Sports Administration & Facility Management Program and the Capital University Law and Graduate Center, located in Columbus, Ohio, have created a joint degree program that allows students to enroll cooperatively in both programs and complete both degrees with a reduction in total credit hours. To qualify, you must apply and be admitted to both programs, and both institutions must approve your proposed curriculum. Admitted students normally enroll first at Capital University Law and Graduate Center and then transfer to Ohio University following the fall semester of their third year. For more information, contact Capital University Law and Graduate Center at <http://www.law.capital.edu/>

Eligibility to Apply

You must meet the following requirements for eligibility and consideration for unconditional admission to the School of Recreation and Sciences graduate program in sports administration and facility management:

- 1** Earned bachelor's degree from an accredited college or university.
- 2** Minimum overall undergraduate grade-point average (g.p.a.) of 3.0 on a 4.0 scale on last 90 quarter hours or last 60 semester hours.
- 3** Satisfactory scores on the Graduate Management Admission Test (GMAT), or Law School Admissions Test (LSAT).

Application Process

Note: you must request official scores for the Graduate Management Admissions Test (GMAT) or Law School Admissions Test (LSAT) be sent directly from the testing agency. If you are applying as part of the joint Capital Law School, you may submit LSAT scores; otherwise you must submit GMAT scores. Student-supplied photocopies are not accepted as

official, but may be included for review and to assist with official score matching. The Ohio University reporting code is 1593.

When you submit an **ONLINE APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-3 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

- 1** Copy of Application Submission page or the application transaction (order) ID.
- 2** Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MSA, please provide three copies.

- 3** Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

In **envelope #2** put items 4-6. Mail this envelope to: Graduate Chair, Sports Administration and Facility Management Program, School Recreation and Sport Sciences, College of Health and Human Services, Ohio University, Grover Center E148, Athens, OH 45701-2979.

- 4** Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. At least one of your references must be an individual who can attest to your qualifications in your chosen field and one from an academic faculty member who can support your ability

to produce successful academic work at the graduate level. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

5 A two-three page typed statement of professional goals that includes information about your background and experiences and how they relate to your future career goals. The statement should include a discussion of:

-your two most substantial accomplishments and why you view them as such.

-a leadership situation in which you were involved and what you learned from the experience, and

-an ethical dilemma you have experienced and how you handled the situation.

6 A resume, including your educational background and professional work experience.

NOTE: if submitting a Web application, do not submit a paper copy of the application for the same term/degree program.

When you submit a **PAPER APPLICATION**, you need to provide printed copies of the following materials to complete your application. You will need two separate envelopes for these materials.

In **envelope #1** put items 1-7 (as applicable). Mail this envelope to: Graduate Studies, McKee House, 44 University Terrace, Athens, OH 45701-2979.

1 One completed, signed application (Form 1).

2 One completed, signed Residency Information Form (Form 2).

3 One completed, signed Background Information & References Form (Form 3).

4 Non-refundable application fee (check, cash or money order) payable to Ohio University.

5 Two copies of official transcripts from each U.S. postsecondary institution attended. (Official transcripts are those in envelopes sealed by the issuing institution). Ohio University transcripts will be obtained by the Office of Graduate Studies on your behalf. If you are applying to the joint MBA/MSA, please provide three copies.

6 Two copies of official or registrar-certified transcripts/mark sheets and two certified English translations for each non-U.S. postsecondary institution attended (in envelopes sealed by the issuing institution, if possible). Transcripts must reflect all courses taken, including courses that were repeated or taken outside a degree program.

7 International applicants who need a certificate of eligibility, include one completed, signed Financial Affidavit of Support (Form 4).

In **envelope #2** put items 8-10. Mail this envelope to: Graduate Chair, Sports Administration and Facility Management Program, School Recreation and Sport Sciences, College of Health and Human Services, Ohio University, Grover Center E148, Athens, OH 45701-2979.

8 Three (3) letters of recommendation from people who are qualified to evaluate your capability for graduate study, in envelopes sealed by the person writing the recommendation. At least one of your references must be an individual who can attest to your qualifications in your chosen field and one from an academic faculty member who can support your ability to produce successful academic work at the graduate level. These letters are to be on the form available through the Office of Graduate Studies (<http://www.ohio.edu/graduate/>). Please make certain to include the program you plan to pursue on the form prior to giving the form to the person providing the reference.

9 A two-three page typed statement of professional goals that includes information about your background and experiences and how they relate to your future career goals. The statement should include a discussion of:

-your two most substantial accomplishments and why you view them as such.

-a leadership situation in which you were involved and what you learned from the experience, and

-an ethical dilemma you have experienced and how you handled the situation.

10 A resume, including your educational background and professional work experience.

All documents received by the University in connection with an application for admission become the property of Ohio University. They will not be returned or forwarded to another agency or college/university. Portfolio materials will be returned if accompanied by a self-addressed, stamped envelope. The University retains portfolios of students accepted for admission.

Information regarding graduate assistantships can be found on the school's Web site, <http://www.ohiou.edu/rsp/s/>.

Application Deadline

Students are admitted for summer quarter and must complete the application process by **February 1**. The final phase of the admissions process involves an on-campus interview at your expense. You will be notified of your selection for an interview and the scheduled date once all items listed above have been received.

International students must complete the application process by February 1, including the presentation of your TOEFL scores (minimum of 600 written; 250 computer for consideration) or IELTS score. As enrollment is competitive, preference for international student admissions is given to applicants who are sponsored by sports organizations, colleges or universities, or government agencies. If you are applying from outside North America, you will be interviewed by telephone at your expense and will be notified of the date, time, and telephone number for the interview once all items listed above have been received.

All application materials must be received by the appropriate deadlines.

Financial assistance, such as assistantships, is available. Information regarding graduate assistantships can be found on the school's Web page.

Program Requirements for the M.B.S./M.S.A. program:

- BA 697 Independent Research (5)
 BUSL 565 Sports Law (4)
 MBA 601 Core I (14)
 MBA 602 Core II (14)
 MBA 603 Core III (14)
 MGT 697 Independent Research (4)
 SASM 660 Internship (9)
 SASM 667 Human Resource Management in Sport Organizations (4)
 SASM 691 Seminar (4)
 SASM 693 Seminar in Sports Administration (8) (specified topics for SASM 693A-Z will vary by year and quarter)

Electives will be determined in consultation with your advisor, based on your specific professional goals.

Program Requirements for the M.S.A. program:

- BUSL 565 Sports Law (4)
 SASM 660 Internship (5)
 SASM 691 Seminar (4)
 SASM 693 Seminar in Sports Administration (4) (specified topics for SAFM 693A-Z will vary by year and quarter)

Electives will be determined in consultation with your advisor, based on your specific professional goals.

Courses

Athletic Training Education (RSAT)

518A Instructional Experience (1–5)

Prereq: perm.

518B-Z Special Programs (1–15)

600 Guided Independent Study (1–2, max 2)
 Selected areas of study with written report based on research.

601 Athletic Training Competencies and Skills Assessment (4)

Prereq: major. Test fundamental competencies and skills required for athletic trainers. Sets a baseline for outcomes assessment at the completion of the graduate program. 2 lec., 2 lab. Y; Su.

610 Orthopedic Assessment (4)

Methods of objective evaluations of effects of neuromuscular impairment injuries and measurement of changes in neuromuscular functioning. 3 lec., 2 lab. F; Y.

611 Special Problems (1–6)

Individual research and experimentation of professional issues. Identifies pertinent problems and plans effective attack toward potential solution.

621 Biomechanics of Sport Injury (4)

Prereq: major. Comprehensive study of joint biomechanics and biomechanical analysis related to sport injury and implications for rehabilitation programs. 3 lec., 2 lab. Y; W.

630 Injury Prevention Techniques in Sports Medicine (3)

In-depth study of evaluating and developing conditioning techniques and programs for prevention of athletic injuries. 3 lec. W; Y.

631 Neuromuscular Programming and Sport Injury (4)

Prereq: major. Physiology of the sensorimotor system, an appreciation for the pathophysiology of articular injury related to the proprioceptive mechanism, and improved management strategies for enhancing functional joint stability. 3 lec., 2 lab. Y; W.

635 Seminar in Sports Medicine Problems (3)

Thorough examination of problems that exist in sports medicine as reviewed by various allied health professions. 3 lec. Sp; Y.

641 Administrative Aspects and Clinical Supervision in Athletic Training (4)

Prereq: major. Focuses on sports medicine administration. Topics include: management skills, human resource skills, and strategies for service delivery in high schools, colleges, universities, hospitals, and private practice clinics. 5 lec. Y; Su.

650 Practicum (1–5, max 5)

Supervised work experience in various aspects of administration and operation of athletic training programs.

651 Medical Aspects (3)

Study of functional and structural changes in tissues and organs caused by athletic injury. 3 lec. F; Y.

655 Advanced Theory in Therapeutic Modalities (4)

Prereq: major. Advanced theory and techniques in the selection and use of therapeutic modalities in athletic injury rehabilitation. Current research literature will serve as the basis of discussion. 3 lec., 2 lab. Y; Sp.

661 Human Anatomy for Athletic Training (4)

Prereq: major. Study of the anatomy and function of the human body within the context of athletic training practice and research. 2 lec., 4 lab. Y; F.

670 Instrumentation in Athletic Training Research (3)

Prereq: major. Introduction to the equipment used in athletic training research focusing on the purpose, function, and applicability of various instruments. 2 lec., 2 lab. Y; Su.

671 Athletic Training Research I (3)

Prereq: major. Initial components of required research projects. Introduction of a research-mentor program, selection of an athletic training mentor, development of a research problem, completion of an IRB application, and submission of a grant application. 3 lec. Y; F.

672 Athletic Training Research II (3)

Prereq: major. Continuation of student research projects; following IRB approval, students pilot their study, revise, collect, and analyze data. 3 lec. W; Y.

680 Athletic Training Research III (3)

Prereq: major. Third course in search series. Focus on final stages of their research projects: American Medical Association (AMA) manuscript formatting style, journal submission policies, and the fundamentals of oral, poster, and written research presentations. 3 lec. Sp; Y.

Physical Education and Sport Sciences (PESS)

500 Women in Sports (3)

Examines the role of play, sports, and games in life of women. Explores place of women in sports world, and reflects on special attitudes and structures of women's sports. 3 lec.

504 History and Principles of Physical Education (4)

Prereq: major/minor. Origins and development of physical education and sport from time of primitive people through Greeks, Romans, Germans, English, and Americans; biological, psychological, sociological, and curricular principles underlying modern physical education program. 4 lec.

508 The Black Athlete and American Sport (3)

Explores origins of black athlete's participation in American sport and examines role of black men and women in growth of American sport and physical activity during 19th and 20th centuries. 3 lec. A; Cook.

511 The Olympic Movement (3)

Study of origin and development of games from Greek era to modern period. Meaning of Olympism in relation to contemporary summer and winter Olympiads explored. 3 lec. A; Cook.

514 Physiology of Exercise (4)

Prereq: athletic admin. or teach/coach or physical education or sport physiology major. Fundamental concepts describing reaction of organ systems to exercise; study of work produced by muscle. Special areas include sport conditioning, muscular fatigue, physiology, and nutrition in exercise; weight control and exercise; physical fitness; exercise and environmental stresses; review of recent research in exercise physiology and human performance. *Gilders; F; Su; Y.*

515 Physiology of Exercise Laboratory (3)

Prereq: BIOS 345. Lab experience to complement material covered in 514. *F; Su; Y.*

518A Instructional Experience (1–5)

Prereq: perm.

518B-Z Special Programs (1–15)

521 Principles of Aging and Physical Activity (4)

Students develop knowledge and skills involving physical activities for older adults. Information concerning the effects of the aging process on physical activities, benefits of physical activities, physical activity instructional considerations, principles of physical activity programming, and physical activity strategies are presented. A lab component is included. 3 lec., 2 lab. *VanDerveer; Sp; Y.*

585 Motor Development (3)

Seminar in motor development in preschool and primary grade children. Special emphasis on practical application of theory and research findings to areas of movement performance and learning readiness. 3 lec.

593 Research Dynamics: Planning, Participation, and Actualization of the Research Process (1-6)

Prereq: Perm. A hands-on approach to research: developing the idea, establishing the methodology, collecting data, doing the statistical evaluation and writing the results in publication format. *F; W; Sp; Su; Y.*

600 Guided Independent Study (1–6, max 6)

Selected areas of study with written report based on research.

602 Seminar on International Sport (3)

Review of selected physical education and sport programs in various countries and discussion

of issues and problems related to international sport competition. 3 lec.

604 Administration of Interscholastic Athletic Programs (4)

Embodies practical methods and innovative techniques needed by interscholastic athletic administrators. Topics and concepts presented are directly related to the responsibilities undertaken by athletic program personnel who guide adolescent and young adult participants. 4 lec.

605 Utilizing Technology in Sport Sciences (4)

Provides opportunities for graduate students in M.S.R.S.S. concentrations for advance skill development in current technological techniques appropriate to their career orientations. 3 lec., 2 lab. *D.*

606 Organization and Administration of Physical Education and Sport (4)

Theory and practice in organizing and administering various physical education, intramural, athletic, sport, and recreation programs at public school, college, and community levels. 4 lec. *Cook; W; Y.*

608 Research Methods and Statistical Applications in Recreation and Sport Sciences (5)

Offers operational understanding of research, evaluation methods, and statistical applications in recreation and sport sciences in order to produce better consumers of research-based information and to give students the opportunity to prepare for advanced graduate study. 5 lec. *F, Su; Y.*

609 Applied Statistics in Sport Sciences (4)

Review of descriptive statistics, introduction to use of computers, inferential statistics, class problems, using data collection, computer input, and statistical analysis. 4 lec. *Bullard, Mittlestaedt; W; Y.*

610 Curriculum in Physical Education (4)

Consideration of curricular trends and theories for today and for future. Construction and development of curricula for elementary, secondary, or college and university levels. 4 lec. *Carr.*

611 Special Problems (1–6)

Individual research and experimentation of professional issues. Identifies pertinent problems and plans effective attack toward potential solution.

612 Applied Biomechanics of Sport and Physical Activity (4)

Investigation of biomechanical principles involved in the performance of selected sports and physical activity. 3 lec., 2 lab. *Bullard; F; Y.*

616 Introduction to Sports Physiology and Adult Fitness (4)

Introduction to a common body of knowledge related to sports physiology and exercise leadership. Emphasis is on graded exercise stress test administration, basic electrocardiography, and laboratory physical performance tests. 3 lec., 2 lab. *Murray; F; Y.*

617 Principles of Exercise Prescription (3)

Prereq: 616. Study of the underlying principles regarding the prescription of exercise to not only the healthy individual, but also to the sedentary as well as the diseased individual. 3 lec. *Murray; W; Y.*

621 Physiological Basis for Athletic Training (4)

Exposes students with an interest in coaching to the principles and applications of exercise physiology. Students will evaluate the anatomical, physiological and biomechanical demands of a sport that will allow for the optimal design of conditioning programs. No credit if credit for PESS 631. 3 lec., 2 lab. *W; Y.*

622 Resistance Training for Athletic Performance (4)

Prereq: 621. Students apply knowledge gained in 621 to design optimal conditioning programs to enhance athletic performance that prepares students for professional certification. 3 lec., 2 lab. *Sp; Y.*

624 Legal Foundation and Risk Management in Athletics (4)

Legal approach to athletics, athletic injuries, and physical education as studied through investigation of concepts and principles that provide legal framework within which courts view cases bearing on athletics, athletic injuries, physical education, and recreation. 4 lec. *Higgins; W; Y.*

625 Analysis of Performance in Sport (4)

Prereq: 608. Methods of analyzing performance in sport. Skill assessments and behavior studies of sports participants analyzed through systematic observation systems designed to reveal target areas for improvement. Observation systems lead to the identification of interventions needed to help improve performance. No credit if credit for PESS 640. 4 lec. *Y.*

635 Psychology of Coaching (4)

Analysis of psychological factors and principles designed to assist coaches in their ability to describe, explain, and predict attitudes, feelings and behaviors of sports participants. 4 lec. *Y.*

642 Ethics in Sports (4)

Discussion and identification of ethical conduct in sport pertaining to prospective administrators, coaches, teachers, and officials. Focus on appropriate actions in conducting, organizing, teaching, and coaching activities. 4 lec. *Sp; Y.*

650 Practicum (1–6, max 6)

Supervised work experience in various aspects of administration of intercollegiate and interscholastic athletics.

652 Advanced Laboratory Techniques in Sport Physiology and Adult Fitness (3)

Prereq: 616, 617. Advanced laboratory techniques refining and integrating cognitive and practical/experiential skills used in sport physiology, adult fitness/cardiac rehabilitation, and clinical exercise physiology environments. 1 lec, 4 lab. *Murray; Sp; Y.*

654 Management and Leadership in Sport (4)

Contemporary theories related to management and leadership in sport are examined, and their applications to sport are addressed. 4 lec.

656 Advanced Physiology of Exercise (4)

Prereq: PESS 514, 515 or BIOS 545, 546. Expands students' knowledge base related to the physiological factors that limit human function and performance. No credit if BIOS 656 4 lec. *F; Y.*

657 Advanced Physiology of Exercise Laboratory (3)

Prereq: PESS 656 concurrent. Allows students to develop and apply advanced laboratory techniques and methods in exercise physiology. 6 lab. No credit if BIOS 657. *F; Y.*

658 Topics in Cardiovascular Evaluation (4)

Prereq: 616. In-depth lecture in electrocardiography, as well as other noninvasive techniques used in assessing cardiovascular function. 4 lec. *Murray; W; Y.*

659 Exercise Metabolism (4)

Students develop biomedical understanding of metabolism during exercise. Discussions of how metabolism is affected by disease and how it can be altered with training. 4 lec. *Sp; Y.*

660 Advanced Biomechanics (4)

Prereq: 514, 515. Encompasses information on the specifics of equipment, data collection, and signal processing using the measurement tools of biomechanics. Students experience collecting MEG data, force related data, and 3-dimensional video data. After data collection, students learn the appropriate data processing/signal processing techniques, synthesize 2 different collection techniques, and relate the information to the movement chosen to analyze. 2 lec., 4 lab.

661 Internship in Physiology of Exercise (5–15)

Prereq: major in sports physiology and adult fitness. Supervised professional work experience in affiliated sports physiology or clinical sites with the opportunity to serve in the dual capacity of exercise technician and/or exercise leader. Internships will be a minimum of 10 weeks and will be structured/ designed to meet your interests. *Murray; Su; Y.*

665 Readings in Coaching Education (3)

Readings and discussion in coaching education. Topics include youth, interscholastic, intercollegiate, Olympic, and professional sport; psychological and sociological issues, coaching education; gender issues; performance and conditioning; and future trends in coaching. 3 lec.

686 Motor Performance of the Exceptional Child (4)

Emphasizes skills and theory related to teaching physical education to children and youth who exhibit variety of handicapping conditions. Professional and advocacy responsibilities in planning and implementing psychomotor aspects of individualized education programs will be taught. 4 lec.

688 Contemporary Issues in Sport Sciences (4)

Selected issues in sport sciences are discussed. Course involves research reading, analysis, and written reports. 4 lec. *Carr; Sp; Y.*

690 Readings in Athletic Administration (3)

Prereq: perm. Required of all students entering graduate study in athletic administration who do not have an undergraduate degree in physical education, sports management, or similar major. Content includes readings in youth sport, school-based sport, the NCAA, facility design and management, Olympic sport, coaching, gender issues, sports marketing, finance, and governance issues. Students work independently and submit written summaries of selected readings. 3 lec. *Carr; F, W, Sp, Su; Y.*

695 Thesis (1–15)

Prereq: perm.

Recreation Studies (REC)

518A Instructional Experience (1–5)

Prereq: perm. Supervised practice in organizing and teaching activities in college and recreational settings. *F, W, Sp, Su; Y.*

518B-Z Special Programs (1–15)

Courses designed to provide the recreation major or professional unique experiences and instruction in specialized topics. Courses designed as short-term, mini-courses, seminars, or specialized workshops. *F, W, Sp, Su; D.*

560 Understanding Leisure (4)

Designed to explore meaning, theories, and development of play from infancy through middle childhood. 4 lec. *D.*

600 Guided Independent Study (1–6, max 6)

Prereq: perm. Selected areas of study with written report based on research.

601 Contemporary Issues (4)

Selected problems in recreation programs; research reading, discussion analysis, written reports. 4 lec. *VanDerveer; W; Y.*

611 Special Problems (1–6, max 6)

Prereq: perm. Individual research and experimentation of professional issues. Identifies pertinent problems and plans effective attack toward potential solution.

617 Leisure and Sport in Society (4)

Designed to develop an understanding of the role of leisure and sport in the wider society. Addresses how leisure and sport affect individuals as well as the broader society. Uses leisure and sports as reference points to understanding human behavior and social

interaction. An examination of behavior as it applies to culture, economics, politics, and the media explored. 4 lec. *F; Y*.

649 Administration of Community Recreation (4)
Administration of public recreation services; programs and facilities; fiscal considerations including grant writing; and legal considerations. 4 lec. *W, Su; Y*.

650 Practicum (1–6, max 6)
Prereq: perm. Supervised work experience in various recreation settings.

670 Advanced Issues in Campus Recreation (4)
Practices, issues, and theories facing supervisors and administrators of collegiate recreation programs. Topics include history, organization, accreditation, and certification(s), assessment, marketing trends, legislative matters, fiscal management, and risk management. 4 lec. *Sp; Y*.

675 Adventure Programming (3)
Principles and procedures involved in planning, organizing, and conducting various types of outdoor adventure activities in national/state/private facilities. 3 lec., 1 lab. *Sp; Y*.

690 Readings in Recreation Studies (3)
Provides students with a degree in a related field basic background information about the recreation studies professional field. Intended to provide students with some foundational understanding to assist them in their graduate course work. *F, W, Sp, Su*.

691 Seminar (4)
Research and investigation in recreation. Topics and problems suitable for thesis writing; methods of research; writing practice; and critical analysis of outlines for research study. *Zueffle; D*.

Sports Administration and Sport Management (SASM)

600 Guided Independent Study (1–2, max 2)
Prereq: major/minor. Selected areas of study with written report based on research.

607 Problems of Competitive Athletes (3)
Prereq: major/minor. Analysis of problems associated with athletic competition at all age and performance levels. 3 lec. *Kreutzer; Sp; Y*.

610 Athletic Administration Seminar (4)
Introduction to various aspects of intercollegiate/interscholastic athletic administration. Responsibilities of athletic director, business manager, sports information director, athletic trainer, ticket manager; facility construction and management, security, crowd control; and facility utilization are presented and discussed. 4 lec. *Higgins, Kreutzer; W, Su; Y*.

611 Special Problems (1–6)
Individual research and experimentation of professional issues. Identifies pertinent problems and plans effective attack toward potential solution.

612 Computer Applications in Sports Administration (5)
Teaches use of software to solve problems and handle situations in sports administration and facility management. 3 lec., 4 lab.

626 Sport Governance and Policy Development (4)
Develop an understanding of the governance structure of the sport industry. Roles, functions, and policies of international and national sport organizations are reviewed and analyzed. 4 lec.

646 Facility Management Lab (1–2)
Prereq: 645. Supervised practical experience in the administration/operation of an actual special event. 2-4 lab.

647 Athletic Fund Raising (3)
Techniques of fundraising to prepare individuals to assume the responsibility for programs of fundraising in different types of organizations, both public and private. 4 lec. *Kerkian; W; Y*.

648 Management of Public Assembly Facilities (4)
Examination of various aspects of managing public assembly facilities, including event bidding, planning and production, booking and scheduling, contracts, promotion, ticketing and box office, security, food and concession service, utilities, housekeeping, and crowd control and management. No credit if credit for SASM 645. 4 lec.

650 Practicum (1–5, max 5)
Prereq: perm. Supervised work experience in various aspects of administration of intercollegiate and interscholastic athletics.

655 Sports and Sports Consumers (4)
Prereq: SAFM major. Introduction to fundamentals and dynamics of the relationships that exist among sports organizations and the application of these fundamentals to sports and sports related organizations. Primary focus on planning and implementing organizational strategies and programs to enhance relationships with consumers and consumer groups. 4 lec. *Kreutzer; F; Y*.

657 Sponsorship in Sports (4)
Prereq: 655. An analysis of the current factors and issues related to sports sponsorship, including sponsorship planning, sales and negotiations, and sponsorship proposals and evaluations. Students will prepare a comprehensive sponsorship plan for a sports or sports-related property. 4 lec. *Kreutzer; W; Y*.

659 Licensing in Sports (4)
Prereq: BUSL 565. A managerial approach to licensing sports products and services. Students will learn to move sports products and services through licensing channels from concept to project completion. 4 lec. *Sp; Y*.

660 Internship in Sports Administration (1–15)
Prereq: MSA or MBA/MSA major. Supervised professional work experience in approved sports-oriented organization. *Kreutzer; F, W, Sp, Su; Y*.

665 Governance in Intercollegiate Athletics (4)
Prereq: SAFM major. Introduction to structure, dynamics, and principles of governance for intercollegiate athletics. Focuses on institutions which are members of the National Collegiate Athletic Association (NCAA); however, discussion regarding other governing bodies may be included. 4 lec. *F; Y*.

667 Human Resource Management in Sport Organizations (4)
Prereq: MBA/MSA majors only. Introduction to managing human resources in sport organizations. Various aspects of managerial functions and human behavior in sport organizations, such as communication, staffing, appraising, training and development, compensation, leadership, negotiation, motivation, and decision making will be addressed. 4 lec. *Sp; Y*.

670 Financial Administration of Sport Facilities and Programs (4)
Examines financial information necessary to perform the usual duties and responsibilities associated with sports facilities and programs. 4 lec. *F, W, Sp; Y*.

691 Seminar (4)
Prereq: major/minor. Research and investigation in athletic administration. Topics and problems suitable for thesis writing; reviews of completed research, development of questionnaires, position papers, and evaluative instruments applicable in athletic administration. 4 lec. *Kreutzer; F; Y*.

693A-Z Seminar in Sports Administration (1-5)
Examination of current trends and issues in the study of sports administration. Different perspectives on these trends and issues will be studied by drawing on current literature and research for in-depth analyses and discussion. 1-5 lec. *Kreutzer; F, W, Sp, Su; Y*.