

- MFTH 7880 Professional Ethics Seminar** 1-0-1
Addresses professional issues in the workplace. Includes marketing oneself, politics of the workplace, professional licensure and clinical membership, working in interdisciplinary teams, professional wellness, and the ethics, values, and decision-making associated with current practice issues.
- MFTH 7980 Internship in Marriage and Family Therapy** 0-2-1 to 0-10- 5
Prerequisite: MFTH 7600. Supervised experience in the practice of marriage and family therapy in a community placement. Requires enough direct contact hours additional to practicum to total 500 before graduating
- MFTH 7990 Directed Study in Family Therapy** 1-0-1 to 3-0-3
Prerequisite: permission of instructor. Specialized study in an area of Marriage and Family Therapy under the direction of a faculty member.

MGMS: MIDDLE GRADES MATH AND SCIENCE

- MGMS 7000 Professional Development Seminar I** 3-0-3
The self-assessment of individual student understanding and application of master teacher outcomes. Provides the basis for an individual program of study based on individual needs.
- MGMS 7100 Research Methodology in Education** 3-0-3
This course provides a study of methods used to conduct educational and educationally-related research and includes critical analysis of selected research articles and research design. Emphasized is the ability to use research and research methods to improve practices in educational and educationally-related settings.
- MGMS 7200 Conceptualizing Middle Level Learning and Diversity in Context** 3-0-3
Examination of concepts, principles, theories, and research that support the tenets of the middle school philosophy as well as current trends in middle level education. Focus will be on the unique nature and development of the middle-level learner. Candidates will analyze their own practice, investigate the impact of media on young adolescent developmental issues, and generate research-based professional resources.
- MGMS 7240 Instructional Leadership and Assessment** 3-0-3
Advanced knowledge and skill in the areas of curriculum, instruction, and assessment. Multiple approaches to assessment will be emphasized as related to programmatic and content issues, learner outcomes, and teaching performance. Focus will be the advancement of best practices utilizing data to help make decisions about curriculum, instruction, and assessment within a content-based classroom
- MGMS 7300 Collaboration and Professionalism** 3-0-3
Collaborative skills among teachers, and between teacher and student, community, parents, and support professionals. Application to the graduate students' work-sites will be emphasized.
- MGMS 7400 Physical Science for Middle School** 3-0-3
An integrated math and physics course with special emphasis on conceptual physics. The assigned work will include the laws of physics, theories, and problem solving, including a review of the basic math required to be a successful problem solver.
- MGMS 7401 Chemistry, Earth Science, and Astronomy for Middle Grades** 3-0-3
An integrated math and science course with special emphasis on an understanding of chemical processes related to earth science and astronomy, including a study of physical chemistry, earth processes, and the chemical evolution of the universe.

MGMS 7402 Life Science and Natural History for Middle Grades 3-0-3

A life-science course with special emphasis on ecology, biomes, classification, phylogenetic trees, and evolution and natural selection, including a study of the biosphere, biochemistry, genetics, and evolutionary processes.

MGMS 7650 Teaching Practicum 3 hours credit

MLIS: MASTER OF LIBRARY AND INFORMATION SCIENCE

MLIS 7000 Foundations of Library and Information Science 3 hours credit

Prerequisite: Admission to the MLIS program as a degree-seeking student. An introduction to the library and information science field, its history, and future directions. The focus is on the history, concepts, and technological development of the discipline. Students will gain familiarity with library and information theory, the discipline and sub-disciplines within the information sciences, and ethical practices and standards.

MLIS 7100 Information Sources and Services 3 hours credit

Prerequisite: MLIS 7000. An introduction to concepts and processes in reference and information science and to fundamental information sources and services provided by libraries and information organizations. An overview of the reference function includes the history and future of reference service, question negotiation, information needs analysis, effective research strategies, evaluation of information sources in various formats, and ethics of information services.

MLIS 7110 Online Searching 3 hours credit

Prerequisite: MLIS 7300 or MLIS 7520 or consent of the instructor. An introduction to methods of information retrieval used in commercial databases and on the World Wide Web. Advanced search strategies such as complex Boolean operations and keyword commands will be included.

MLIS 7111 Information Retrieval in Science, Technology, and Medicine 3 hours credit

Prerequisite: MLIS 7300 or consent of the instructor. An introduction to information retrieval in the physical sciences, computer-based technologies, and medicine. The content also includes the models of organization and publication of information unique to those used by scientists, technologists, and health sciences professionals.

MLIS 7120 Government Information Sources 3 hours credit

Prerequisite or corequisite: MLIS 7000. Use of and access to government documents, defining government documents, how they are generated or created, how and who uses them, how and where to find them. The course addresses government documents at the federal, state, and local levels as well as documents of international organizations (UN, EU, etc.) and foreign governments.

MLIS 7130 Humanities Information Services 3 hours credit

Prerequisite: MLIS 7100 or consent of the instructor. Examination of processes and resources used to provide reference services in the humanities disciplines. The fields of art, communications, literature, languages, linguistics, music, philosophy, religion, and theatre will be considered.

MLIS 7150 Social Sciences Information Services 3 hours credit

Prerequisite: MLIS 7100 or consent of instructor. Examination of social science information domains and information resources, including the structures and bibliographies of the disciplines in electronic and print format. Various information formats are examined, and appropriate search and retrieval methods are explored.

- MLIS 7170 Health Sciences Librarianship** **3 hours credit**
 An overview of the environments in which health science librarians practice. Aspects of those environments will include characteristics of clients and their unique information needs; communication with a health sciences organization; collection development in a specialized professional setting; standards, regulations, and certifications affecting credentialing and accreditation; and paradigms in clinical practice and health sciences education.
- MLIS 7180 Library Services for Patrons with Special Needs** **3 hours credit**
Prerequisite or corequisite: MLIS 7000. Disability issues in libraries, with a particular emphasis on visual disabilities. Obtaining funding and providing services for patrons with special needs will be emphasized.
- MLIS 7200 Management of Libraries and Information Centers** **3 hours credit**
Prerequisite or corequisite: MLIS 7000. An introduction to the functions of library management and its underlying theoretical concepts. This course provides an overview of the history of management, an introduction to management theory and functions, including planning, leading, organizing, staffing, controlling, budgeting, human resource issues, and an understanding of management as a system involving all staff.
- MLIS 7210 Academic Libraries** **3 hours credit**
Prerequisite or corequisite: MLIS 7200 or consent of the instructor. An examination of the functions of the library within the higher education environment. The course promoted the Jeffersonian ideal of the library as the center of the university and explores administrative issues and service patterns specific to the academic library.
- MLIS 7220 Public Libraries** **3 hours credit**
Prerequisite or corequisite: MLIS 7200 or consent of the instructor. A study of the American public library and its place in contemporary communities. Topics include standards, planning, evaluation, governance, funding, and advocacy.
- MLIS 7222 Adult Services in Public Libraries** **3 hours credit**
Prerequisite: MLIS 7220 or consent of the instructor. An exploration of adult services in public libraries, including adult library use, programming for adults, services to special populations, partnerships, marketing, digital services, and introduction to readers' advisory services.
- MLIS 7230 Special Libraries and Information Centers** **3 hours credit**
Prerequisite or corequisite: MLIS 7200 or consent of the instructor. An examination of the administration and context of special libraries and information centers. Management, user services, technical services, collections, facilities, and marketing are addressed.
- MLIS 7240 Marketing Library Services** **3 hours credit**
Prerequisite or corequisite: MLIS 7200 or consent of the instructor. Marketing techniques and their applications in all types of libraries. Planning, research, goal-setting, relationship marketing, and marketing with technology are considered. Development of marketing plans and tools is included.
- MLIS 7250 Human Resources Management** **3 hours credit**
Prerequisite or corequisite: MLIS 7200 or consent of the instructor. A comprehensive look at issues that shape the nature of human relations in libraries. Topics include staff recruitment and development, diversity, equal opportunity, performance evaluation, and legal requirements.
- MLIS 7260 Leadership in Libraries and Information Centers** **3 hours credit**
Prerequisite or corequisite: MLIS 7000. An introduction to leadership theory, principles, and practices. The course provides an overview of the relationship between leadership theory and the effective practice of leadership as well as an understanding of the competencies required of effective leaders in today's libraries and information organizations.

- MLIS 7270 Information Management** 3-0-3
Also offered as PADM 7110. A survey of the issues and problems of information management. Emphasis is on modern developments in the generation, storage, classification and transmission of information vital to the management of public organizations.
- MLIS 7300 Cataloging and Classification** 3 hours credit
Prerequisite or corequisite: MLIS 7000. An introduction to the organization of recordable knowledge, with emphasis on library cataloging and classification. Students will examine current applications of Anglo-American Cataloging Rules, MARC formats, Library of Congress and Sears Subject Headings, Dewey Decimal Classification, and Library of Congress Classification. Metadata initiatives and the interpretation of technical documentation will be considered
- MLIS 7330 Cataloging the Web** 3 hours credit
Prerequisite: MLIS 7300 or consent of the instructor. Methodologies and metadata developed for cataloging the Web and other digital collections, including MARC, archival XML systems, Dublic Core, and CORC.
- MLIS 7350 Advanced Cataloging** 3 hours credit
Prerequisite: MLIS 7300 or consent of the instructor. Advanced study of the theory and practice of providing description and access to library materials. Cataloging of non-print materials, serials, and integrating sources will be included.
- MLIS 7355 Advanced Classification** 3 hours credit
Prerequisite: MLIS 7300 or consent of the instructor. Advanced study of the subject classification of recordable knowledge. Verbal and numeric approaches, including Library of Congress and Dewey Decimal classification schemes, and the principles of thesaurus construction will be considered.
- MLIS 7360 Indexing and Abstracting** 3 hours credit
The principles and practices of creating indexes and abstracts of information and knowledge resources. Varying types of indexes and abstracts, evaluation of software aids, and professional opportunities for indexers and abstractors will be considered.
- MLIS 7370 Information Architecture** 3 hours credit
Prerequisite or corequisite: MLIS 7000 or consent of instructor. Theory and techniques of designing Web sites for effective information delivery. Study of organization, labeling, navigation, and indexing systems included.
- MLIS 7400 Collection Development** 3 hours credit
Prerequisite or corequisite: MLIS 7000 or consent of instructor. Principles and processes for building and maintaining library and information center collections. Identification, evaluation, selection, acquisition, and preservation of materials in all formats will be emphasized. The contexts of all types of libraries, needs of diverse patrons, and legal and ethical issues will be considered.
- MLIS 7420 Literature for Children** 3 hours credit
A study of the literature created for children in relation to their needs, interests, and abilities. Emphasis will be on the process of evaluation in order to meet the developmental, educational, cultural, and recreational needs of children.
- MLIS 7421 Multicultural Youth Literature** 3 hours credit
A survey of multicultural literature for children and teenagers. Evaluation, selection, and use of multicultural literature in school and public libraries will be emphasized.
- MLIS 7422 Programming for Children and Young Teens** 3 hours credit
An overview of the nature, philosophy, design, and delivery of library programs for youngsters from birth through early teens. The course includes principles of planning, implementing, promoting, and evaluating programs for this age group. Emphasis is on creative arts, including story time and story telling, puppetry, reading incentive programs, and other age-specific activities.

- MLIS 7423 Literature for Young Adults** **3 hours credit**
 A study of the literature created for young adults in relation to their characteristics, needs, interests, and abilities. Emphasis will be on the process of evaluation in order to meet the developmental, educational, cultural, and recreational needs of young adults.
- MLIS 7425 Youth Electronic Resources** **3 hours credit**
 Evaluation, selection, management, and use of electronic materials for children and young adults, including web- and computer-based materials. Learners will explore categories of resources and develop materials to facilitate access and promote learning.
- MLIS 7430 Information Literacy** **3 hours credit**
 An examination of the information literacy movement from its origins in library instruction to the learning theories and teaching practices that shape its current standards. The information literacy model used in academic libraries will be emphasized.
- MLIS 7440 Electronic Resources in Libraries** **3 hours credit**
Prerequisite MLIS 7300 or MLIS 7400 or consent of instructor. Policies and procedures for managing electronic information resources as part of a library collection. Selection, budgeting, acquisitions, cataloging, assessment, copyright, licensing, and preservation are considered.
- MLIS 7500 Computer Applications for Information Professionals** **3 hours credit**
 A study of concepts, applications, issues, and trends for information professionals. Topics include hardware and software, networks and the Internet, data security, digital media, database basics, and programming basics. The impact of information technologies on libraries and information centers is emphasized.
- MLIS 7505 Applied Technologies in Library Practice** **3 hours credit**
 A survey of the technologies defining or influencing library practices, with an emphasis on exemplary cases of applications. Topics will include computer workstations, automated systems, networking, and telecommunications, the Internet, digitization projects, program interfaces, information storage and retrieval, adaptive and assistive devices, security and privacy, and virtual user education.
- MLIS 7520 Database Design for Information Professionals** **3 hours credit**
Prerequisite or corequisite: MLIS 7000 or consent of instructor. Government and industry needs for design, implementation, and management of database systems. This course focuses on the application of data modeling technologies in library and information science practice and research.
- MLIS 7550 Library Systems and Automation** **3 hours credit**
Prerequisite or corequisite: MLIS 7000 or consent of instructor. Fundamental concepts of computer systems automation in libraries and information centers. This course covers the historical context of applying computing systems to libraries, addresses the technologies behind integrated library systems, and surveys topics related to management of automated computer systems.
- MLIS 7580 Digital Libraries** **3 hours credit**
Prerequisite or corequisite: MLIS 7000 or consent of instructor. Current trends in digital libraries' research and practice. The impact of digital libraries in society will be emphasized.
- MLIS 7610 Information Policy** **3 hours credit**
Prerequisite or corequisite: MLIS 7000 or consent of instructor. Study of governmental information policy, with emphasis on the United States. Issues include privacy, intellectual property, access to information, media deregulation, and networking initiatives.

- MLIS 7650 Information and Ethics** **3 hours credit**
Prerequisite or corequisite: MLIS 7000. An introduction to the basic ethical precepts of the information professions and the importance of ethics. The course examines differences among ethical, legal, moral, and religious systems and includes a case-study methodology to explore ethical situations in the professional practice, drawing upon lessons offered by relevant professional organizations and their ethics codes.
- MLIS 7700 Research Methods** **3 hours credit**
Prerequisite: MLIS 7000. An introduction to the various approaches to social science research and research methods. Students will perform small-scale research projects and develop skills in the research uses of libraries and the needs of library patrons.
- MLIS 7710 Archival Theory and Issues** **3 hours credit**
Prerequisite or corequisite: MLIS 7000. An introduction to archival theory and practice. The course explores archival history and the profession, including legal issues, standards and ethics, terminology and concepts, research tools, and methods and practice.
- MLIS 7730 Preservation** **3 hours credit**
An introduction to the fundamental principles of library and archive preservation. The course covers the nature and deterioration of library and materials, collections care, analog and digital reformatting, conservation considerations, disaster planning, and issues in digital preservation.
- MLIS 7740 Rare Book Librarianship** **3 hours credit**
A foundation in the principles and practices of rare book librarianship. Topics include book collecting, acquisitions and access, support for teaching and research, professional competencies, programming, preservation, ethics, and current issues and trends.
- MLIS 7800 Capstone** **3 hours credit**
Taken during the final semester of study. Required for partial fulfillment of the requirements for the MLIS degree. Emphasis will be on synthesis of knowledge, honing writing and presentation skills, and creating a professional development plan.
- MLIS 7950 Independent Study in Library and Information Science** **3 hours credit**
Prerequisite or corequisite: MLIS 7000, consent of advisor, and consent of instructor. Supervised study in areas of library and information science not normally available in regular course offerings, with regular conferences between instructor and student.
- MLIS 7960 Supervised Fieldwork** **3 hours credit**
Prerequisite: MLIS 7000n consent of advisor, and consent of instructor. Graded “Satisfactory” or “Unsatisfactory.” A minimum of 120 hours in an approved library or information center. Learning objectives that are specific to the individual student’s interests and goals will be identified collaboratively by the student, the on-site supervisor, and the instructor.
- MLIS 7970 Libraries and Literacy in History** **3 credit hours**
Also offered as HIST 7970. An exploration of the development of reading, writing, and information management from the proto-literate stages of the ancient Near East to the present computer age. Intellectual foundations of research and librarianship will be emphasized in their historical contexts.
- MLIS 7995 Special Topics in Library and Information Sciences** **3 hours credit**
MLIS 7996 Special Topics in Library and Information Sciences **3 hours credit**
MLIS 7997 Special Topics in Library and Information Sciences **3 hours credit**
MLIS 7998 Special Topics in Library and Information Sciences **3 hours credit**
MLIS 7999 Special Topics in Library and Information Sciences **3 hours credit**
Advanced study of specific issues in library and information science. Course may be repeated under different topics.

MSED: MIDDLE GRADES AND SECONDARY EDUCATION

- MSED 7000 Professional Development Seminar I** 3-0-3
The self-assessment of individual student understanding and application of master teacher outcomes. Provides the basis for an individual program of study based on individual needs.
- MSED 7001 Planning for Teaching** 3 hours credit
Prerequisite: MGED 2999 or SEED 2999 and completion of content major courses.
Corequisite: MSED 7002. Foundation for preparation for teaching and learning. The focus is on designing lessons and assessments, classroom management, effective teachers, and exceptional children. Field experience required.
- MSED 7002 Content Methods** 3 hours credit
Prerequisite: Completion of content major courses. **Corequisite:** MSED 7001. Foundation for the development of a variety of teaching methods appropriate for middle and secondary education. The focus is on the organization and structuring of content for instruction. Forty hours of field experience required.
- MSED 7003 Middle and Secondary School Experiences** 3 hours credit
Prerequisite: Completion of content major courses, MSED 7001, and MSED 7002. Nature and needs of the middle grades and secondary students and how contextual factors impact their development and academic success. The focus is on understanding young adults as learners, diversity in the classroom and community, individual learning styles, and special needs of exceptional children. Forty hours of field experience required.
- MSED 7004 Reading and Writing for Diverse Populations, 4-12** 3 hours credit
Prerequisite: Completion of content major courses, MSED 7001, MSED 7002, and MSED 7003. Examination of current research relevant to teaching and evaluation of reading and writing in a school environment. Motivating students to read widely and developing vocabulary, reading comprehension, and study skills will be addressed in relation to the school curriculum. Forty hours of field experience required.
- MSED 7005 Teaching Internship I** 3 hours credit
Prerequisite: Completion of content major courses, MSED 7001 and MSED 7002, consent of department head, and employment on a nonrenewable certificate by a school system. The first of two semester-long internships completed in a school classroom.
- MSED 7006 Teaching Internship II** 3 hours credit
Prerequisite: Completion of content major courses, MSED 7001, MSED 7002, MSED 7003, MSED 7005, and consent of department head. The second of two semester-long internships completed in a school classroom.
- MSED 7007 Integrating Technology in the Content Areas** 1-0-1
Prerequisite: Completion of content major courses, MSED 7001, MSED 7002, MSED 7003, and MSED 7004. Methods of integrating technology into the curriculum. The course focuses on the systematic, progressive advancement to a student-centered, technology-empowered classroom.
- MSED 7010 Current Issues and Trends in MSED** 3-0-3
Prerequisite: MSED 7000. Advanced study of trends and issues in middle grades and secondary education.
- MSED 7020 Curriculum in Middle Grades and Secondary Education** 2-0-2
Co-requisite MSED 7021. Review of the current status and trends in middle grades and secondary curricula. Analysis of middle grades and secondary curricula and their unique construction, planning, and application.
- MSED 7021 Apprenticeship in Teaching** 0-10-1
Co-requisite MSED 7020. Supervised apprenticeship in an appropriate educational setting for certification requirements for the M.A.T. degree program.

- MSED 7030 Teaching Strategies and Assessment** 3-0-3
Application of selected research-based instructional strategies and assessment techniques related to particular classroom contexts and student needs. Emphasis is on the student's practice and analysis of strategies and techniques in the classroom.
- MSED 7040 Evaluation and Assessment** 1-0-1
Co-requisite MSED 7041. Basic concepts, methods, and tools of assessment or evaluation. The course is designed so professional educators can combine their initial experience and understanding of students with information regarding their past performances to assess students' abilities.
- MSED 7041 Teaching Internship** 0-20-2
Co-requisite MSED 7040. Supervised teaching internship in an appropriate educational setting for certification requirements for the M.A.T. degree program.
- MSED 7320 Multiculturalism and Diversity** 3-0-3
The study of methodology, materials, and evaluative strategies for teaching students of diverse cultures.
- MSED 7650 Teaching Practicum** 2 or 3 hours credit
Prerequisite: MSED 7000.
- MSED 7800 Professional Development Seminar II** 3-0-3
Prerequisites: MSED 7000, MSED 7010, and MSED 7650. Capstone course to be taken within last two semesters of program of study. Analysis of an individual's teaching plan in relationship to National Board Standards, master's program outcomes, and school improvement plans.
- MSED 8000 Special Topics in Middle Grades and Secondary Education** 2-0-2 or 3-0-3
Studies of selected topics in middle grades and secondary education. No more than two special topics courses may be used in the sixth-year program.

MUE: MUSIC EDUCATION

- MUE 5100 Arranging for School Band, Chorus, and Orchestra** 2-0-2
Prerequisites: MUSC 2012 and 2052. Basic techniques of scoring for school choral and instrumental groups. Three periods a week.
- MUE 5640 Music for Teachers** 3-0-3
Music materials and methods for the elementary teacher in the school. Not open to music majors.
- MUE 7000 Issues and Trends in Music Education** 3-0-3
Current trends and issues of contemporary music education.
- MUE 7600 Instrumental Music Curriculum** 3-0-3
Materials and teaching techniques relative to instrumental music education.
- MUE 7610 Choral Music Curriculum** 3-0-3
Materials and teaching techniques relative to choral music education.
- MUE 7640 General Music Curriculum** 3-0-3
Review of current methods and approaches of general music education, including multicultural approaches to music teaching.
- MUE 7680 Foundations of Music Education** 3-0-3
Historical, philosophical, and sociological foundations of music education.
- MUE 7900 Directed Study in Music Education** 1-0-1 to 3-0-3

MUSC: MUSIC

MUSC 5101 Graduate Diction I	1-2-2
Advanced skills needed to sing in English and German.	
MUSC 5102 Graduate Diction II	1-2-2
Advanced skills needed to sing in Italian and French.	
MUSC 5110 Jazz Arranging	2-0-2
Prerequisite: MUSC 2012 and 1172, or permission of instructor. The application of analytic techniques to the study of musical scores.	
MUSC 5430 History of Jazz	2-0-2
Prerequisite: MUSC 2172 or permission of the instructor. A comprehensive study of the development of jazz from its origins through present day. The course emphasizes the evaluation of stylistic trends and techniques.	
MUSC 5500 Band Literature	2-0-2
Study of styles and eras of band literature appropriate for a variety of ensembles.	
MUSC 5510 Choral Literature	2-0-2
Study of styles and eras of choral literature appropriate for a variety of ensembles.	
MUSC 5520 Symphonic Literature	2-0-2
Prerequisite: MUSC 1100. A survey of Western symphonic music.	
MUSC 5851 Wind Ensemble	0-3-1
Study and performance of repertoire for a variety of instrumental combinations. Open by audition.	
MUSC 5960 Opera Seminar	1-0-1
The study and analysis of scenes from opera and operetta.	
MUSC 6050 Aural Skills Pedagogy	2-0-2
Prerequisite: Graduate music major. An in-depth study of aural skills pedagogy designed to enhance instructional skills in music theory classes.	
MUSC 6510 Song Literature I	2-0-2
Survey course in art song literature. MUSC 6510 peruses the literature from the Renaissance through the German Lieder School spanning the 19th century and the first half of the 20th century.	
MUSC 6520 Song Literature II	2-0-2
Survey course in art song literature. MUSC 6520 peruses the 19th and 20th century French, Spanish, English, and American song schools.	
MUSC 6540 Piano Literature I	2-0-2
Survey course in piano literature. The keyboard instruments and literature of the Renaissance, Baroque, and Classical eras.	
MUSC 6550 Piano Literature II	2-0-2
Survey course in piano literature. The piano literature of the Romantic period and representative repertory of the last 100 years.	
MUSC 6760 Jazz Pedagogy	1-2-2
The study of jazz methods and jazz materials, including lab teaching experience.	
MUSC 7010 Music Theory	3-0-3
Graduate survey in music theory.	
MUSC 7020 Music History	3-0-3
Graduate survey in music history.	
MUSC 7040 Computer Applications in Music	1-2-2
An introduction to computer applications for music.	
MUSC 7530 Chamber Music Literature	2-0-2
Selected studies in the history and theory of chamber music masterworks.	
MUSC 7650 Conducting	1-2-2
A study of basic choral and instrumental conducting techniques.	

APPLIED MUSIC (MUSC)

Student enrolling in Applied Music will be assigned to an instructor by the Head of the Music Department, and a list of assignments will be posted in the Music Department Office on the day following registration. Student must arrange for a lesson time with the assigned instructor by the end of the second day of classes. Students not scheduled by the end of the second day of classes will be dropped from the course.

Secondary Applied: These courses award one credit hour each semester, and one thirty-minute lesson will be scheduled each week. Requirements will be determined by the instructor. Secondary applied lessons are available to any student regardless of major, depending on the availability of faculty.

Secondary Applied

MUSC 5210	Piano	Graduate	0-1-1
MUSC 5310	Organ	Graduate	0-1-1
MUSC 5410	Voice	Graduate	0-1-1
MUSC 5610	Brass	Graduate	0-1-1
MUSC 5910	Woodwinds	Graduate	0-1-1
MUSC 6310	Percussion	Graduate	0-1-1
MUSC 6410	Strings	Graduate	0-1-1
MUSC 5810	Chamber Singers		0-2-1
	A selected ensemble emphasizing choral and vocal chamber music repertoire. Selection by audition only. Membership open to all VSU graduate students.		
MUSC 5820	Concert Choir		0-3-1
	Open to any VSU student by permission of the instructor.		
MUSC 5830	The Spotlighters		0-2-1
	A select choral ensemble emphasizing popular, jazz, blues, and show tune repertoire. Selection by audition only.		
MUSC 5840	Opera and Musical Theatre		0-2-1
	Music drama production and ensemble work. Preparation of scenes and full-scale productions.		
MUSC 5850	Concert Band		0-3-1
	Open to any VSU student by permission of the instructor.		
MUSC 5860	Orchestra		0-3-1
	Open to VSU students with permission of the instructor.		
MUSC 5870	Jazz Ensemble		0-3-1
	Selection by audition only.		
MUSC 5880	Marching Band		0-3-1
	Performance at all football games and various exhibitions. Auditions required for danceline, color guard, and majorette. Fall semester only.		
MUSC 5890	Instrumental Ensembles		0-2-1
	Study and performance of repertoire for a variety of combinations of instruments. Open by permission of instructor.		
MUSC 6870	Jazz Combo		0-2-1
	Study and performance of a wide variety of jazz styles for 5-8 member ensemble. Selection by audition only.		
MUSC 6880	University Community Band		0-3-1
	Study and performance of standard band literature. Open to VSU students and members of the community by permission of the instructor.		

MUSC 6890 Vocal Chamber Ensembles	0-1-1
Ensemble performance in musicals, opera, and other such events in conjunction with the departments of music and theatre.	
MUSC 7050 Music Research and Bibliography	2-0-2
Development of graduate-level research skills.	
MUSC 7240 Private Piano	4 credit hours
Applied private piano lessons for graduate students. Students will receive two 50-minute lessons each week and attend studio class, recitals, and other designated events as assigned in applied instruction. May be repeated for credit.	
MUSC 7340 Private Strings	4 credit hours
Applied or private string lessons for graduate students. Two 50-minute lessons scheduled each week. May be repeated for credit.	
MUSC 7440 Private Voice	4 credit hours
Private or applied voice lessons for graduate students. Classroom requirements are two 50-minute lessons and a studio class each week. May be repeated for credit.	
MUSC 7450 Private Percussion	4 credit hours
Applied or private percussion lessons for graduate students. Two 50-minute lessons will be scheduled each week. May be repeated for credit.	
MUSC 7640 Private Brass	4 credit hours
Applied or private brass lessons for graduate students. Students receive two 50-minute lessons each week and attend studio class, recitals, and other designated events as assigned by the applied instructor. May be repeated for credit.	
MUSC 7721 Advanced Piano Pedagogy	0-2-1
An in-depth study of piano pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7731 Advanced Percussion Pedagogy	0-2-1
An in-depth study of percussion pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7732 Advanced Brass Pedagogy	0-2-1
An in-depth study of brass pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7733 Advanced Woodwind Pedagogy	0-2-1
An in-depth study of woodwind pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7734 Advanced String Pedagogy	0-2-1
An in-depth study of string pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7740 Advanced Pedagogy of Choral Conducting	0-2-1
An in-depth study of choral conducting pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7750 Advanced Vocal Pedagogy	0-2-1
An in-depth study of vocal pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7760 Advanced Pedagogy of Orchestra Conducting	0-2-1
An in-depth study of orchestra conducting pedagogy designed to enhance instructional skills in private and group settings.	
MUSC 7770 Advanced Pedagogy of Wind Band Conducting	0-2-1
An in-depth study of wind band conducting pedagogy designed to enhance instructional skills in private and group settings.	

- MUSC 7777 Private Collaborative Piano** **4 credit hours**
 Applied private collaborative piano for graduate students. Students will receive two 50-minute lessons each week and attend studio classes, recitals, and other designated events as assigned in applied instruction. May be repeated for credit.
- MUSC 7778 Advanced Collaborative Piano Pedagogy** **0-2-1**
 An in-depth study of collaborative piano pedagogy designed to enhance instructional skills in private and group settings.
- MUSC 7840 Private Conducting** **4 credit hours**
 Applied private conducting at the graduate level. Techniques of conducting, including refinement of physical and artistic gestures. May be repeated for credit.
- MUSC 7900 Directed Study in Music Performance** **0-2-1 to 0-6-3**
 The opportunity to earn academic credit for a performance or performance-based project not otherwise included in the curriculum offerings. Credit hours to be determined by the instructor, Graduate Music Coordinator, and the Department Head.
- MUSC 7940 Private Woodwinds** **4 credit hours**
 Applied private woodwind instruction for graduate students. Students receive two 50-minute lessons each week and attend studio class, recitals, and other designated events as assigned by the applied instructor. May be repeated for credit.

NURS: NURSING

- NURS 5050 Field Study in Transcultural Care** **1-3-2 to 1-21-8**
 Focuses on the application of concepts of transcultural nursing in selected culturally diverse settings. Students are encouraged to explore personal cultural orientation and its influence on the delivery of care and services. Selected ethnocultural groups will be studied. Variability will occur in undergraduate and graduate study intensity (concentration and length of study).
- NURS 5990 End-of-Life Nurturing** **3-0-3**
Also offered as NUTR 5990. The study of the meaning of death, dying, and grieving across cultures and life development stages. The course focuses on end-of-life issues such as death as a process to attain life fulfillment, nurturing behaviors (providing nourishment, hydration, and care giving), cultural and spiritual perspectives, and legal and ethical concerns related to quality-of-life decisions.
- NURS 7010 Integration of Conventional / Alternative Therapies** **3-0-3**
 Explores conventional & alternative healings therapies from various philosophical perspectives and how they are being blended with mainstream western medicine to determine how a program of wellness can be maintained toward empowerment of a healthy life-style and directed self care. Focuses on healing into wholeness with the Bio-Psycho-Spiritual model.
- NURS 7011 Statistical Applications in Nursing Research and Practice** **3-0-3**
 Application of descriptive and inferential statistical procedures using nursing research and practice data.
- NURS 7020 Family Nursing** **3-0-3**
 Examines the biophysical, psychosocial, culture, intellectual, and spiritual nature of health and illness within families. Forces for health or illness, dynamics of family health, and helping relationships with families are explored.
- NURS 7060 Directed Study in Nursing** **1 to 5 credit hours**
 Enables the student to explore in depth a topic relevant to his/her special interest in nursing.
- NURS 7070 Special Topics in Advanced Nursing** **1 to 5 credit hours**
 Provides opportunities for study on topics of interest in advanced nursing practice.

- NURS 7100 Advanced Pathophysiology** 3-0-3
Prerequisites: Graduate admission status. Advanced principles of human physiology and pathogenesis of diseases. This course builds on basic knowledge of pathophysiology. The focus is on etiology, pathogenesis, and clinical manifestations of disease processes commonly encountered in advanced nursing practice.
- NURS 7110 Philosophical and Theoretical Foundations for Advanced Nursing Practice** 2-0-2
Prerequisites: Graduate standing. Examination of philosophies and theories that frame advanced nursing practice. The evolution of nursing knowledge and roles in advanced nursing practice are explored, with an emphasis on analysis and application of nursing models and related theories, using critical thinking and clinical reasoning strategies within a framework of altruism, dignity, integrity, and social justice.
- NURS 7130 Seminar in Issues and Health Policy** 0-3-1
Prerequisite: Graduate standing. Analysis of trends and issues which impact client health and health care delivery systems. Professional activities which positively effect policy and polity are explored.
- NURS 7140 Leadership in Advanced Nursing Roles** 3-0-3
 This course provides the student with leadership and management skills for advanced nursing roles. Various advanced nursing roles will be explored with emphasis on leadership and management strategies to overcome barriers and enhance nursing practice in a changing health care environment.
- NURS 7150 Nursing and Health Care Information Systems** 2-0-2
Prerequisite: Graduate standing. Analysis of current and emerging nursing and health care information systems for evidence-based practice, documentation, and evaluation of client-care outcomes. Emphasis is on the use of information and communication technologies to assess, document, and evaluate client outcomes and enhance accessibility of care.
- NURS 7160 Health Care Delivery Systems, Economics, and Policy** 2-0-2
 A foundation for participation in health policy and understanding the economic impact of health planning. Content focuses on organization of health care delivery systems, health care financing and economic implications, and the role of the provider in policy making. Emphasis is on analysis of health policy; integration of clinical management processes; and use of personal, personnel, and material resources in clinical systems.
- NURS 7200 Advanced Health Assessment** 3-0-3
Prerequisite: NURS 7100. Corequisite: NURS 7200L. Advanced, comprehensive assessment skills. Emphasis is on critical thinking and diagnostic reasoning in a variety of health care settings.
- NURS 7200L Advanced Health Assessment Practicum** 0-4-1
Prerequisite: NURS 7100. Corequisite: NURS 7200. Application of advanced, comprehensive assessment skills in a variety of health care settings.
- NURS 7211 Advanced Nursing Care with Growing Families** 3-9-6
Prerequisites: NURS 7110 and NURS 7100. Applies specialized knowledge and current research to competent caring of childbearing and child rearing families. Explores the effects of sociocultural issues and environmental on the well-being of children and their families. Identifies the common health problems of childbearing and child rearing and appropriate interventions to promote holistic health and development. Clinical experiences focus on the application of advanced practice theory to childbearing and child rearing families within multiple settings and emphasizing health promotion of growing families.

- NURS 7220 Advanced Evidence-based Practice** 3-0-3
Prerequisites: NURS 7011 or a graduate statistics course, and NURS 7110. Evaluation and use of nursing and health care research and other scholarly inquiry in advanced nursing practice. This course focuses on strategies and skills in retrieving, evaluating, and using evidence to plan quality health care, initiate change in health care systems and processes, and improve health care outcomes.
- NURS 7230 Advanced Pharmacology** 3-0-3
Prerequisites: NURS 7100. The pharmacokinetic processes and drugs used in advanced nursing practice. Emphasis is on pharmacologic management of patients in independent and collaborative primary care practice, including professional and statutory issues related to prescribing.
- NURS 7231 Advanced Nursing for Health Promotion of Adults** 3-0-3
Prerequisites: NURS 7110 and NURS 7100. **Corequisite:** NURS 7231L. Holistic and comprehensive nursing care of multicultural adult populations, utilizing current research and theoretical concepts related to health promotion and disease prevention.
- NURS 7231L Advanced Health Promotion of Adults: Lab** 0-9-3
Corequisite: NURS 7231. Application of advanced practice theory related to wellness and health promotion and lifestyle modification within specific clinical settings.
- NURS 7250 Theoretical Foundations for Advanced Psychiatric/Mental Health Nursing Practice** 3-0-3
Prerequisite: Admission to MSN program or permission of the instructor. Introduction to theories, concepts, models, and ethics relevant to the Advanced Psychiatric/Mental Health Nurse. Emphasis is placed on neurobiological, developmental, and psychodynamic theories of mental illness in the care of persons or populations with or at risk for mental illness.
- NURS 7251 Mental Health Nursing with Person** 3-9-6
Prerequisites: NURS 7100 and NURS 7110. Explores psychodynamic, behavioral, developmental and humanistic approaches to helping processes for individuals in crisis. Incorporates a worldwide and multicultural perspective. Emphasis is on developing competencies as a nurse counselor caring for clients with acute and chronic episodes of emotional distress. Clinical experience focuses on development of skills needed to modify individual behavior toward balance, adaptation, and holism.
- NURS 7291 Advanced Nursing Health Promotion of Adults Clinical Laboratory-NP** 0-9-3
Prerequisites: NURS 7100 and NURS 7110. **Co-requisite:** NURS 7231. Application of advanced practice theory related to wellness and health promotion and lifestyle modification within role-specific settings. This clinical experience is for students in the nurse practitioner track.
- NURS 7300 Population-based Care Management** 3-0-3
Prerequisites: NURS 7100, 7110, 7150, 7160, 7200, 7200L, 7220, 7230. Building of effective relationships and expert use of scientific process and evidence for developing, implementing, and evaluating population-based nursing interventions. Epidemiology and biostatistics are used to study common health events. Safety, health promotion, risk reduction, illness prevention, and illness and disease management are emphasized to improve health outcomes and quality care environments in rural and urban populations.

- NURS 7310 Leadership for Quality Nursing Environments and Clinical Outcomes Management** 3-0-3
Prerequisites: NURS 7200, 7200L, 7220, 7230. Synthesis of organization and communication theory and research in the analysis of relationships, work environments, and health systems. Leadership is studied within the context of organizational and health systems with focus on therapeutic use of self, small group dynamics, partnerships, collaboration, power and persuasion, negotiation and mediation, conflict resolution, effective teaching and learning, and working with interdisciplinary teams and multicultural work forces.
- NURS 7312 Advanced Nursing Care with Growing Families During Health Crisis** 3-9-6
Prerequisite: NURS 7211. Explores the specialized knowing required for holistic care of childbearing and child rearing families in crisis. Epidemiologic methods are utilized to identify the health hazards of each stage of childbearing and child rearing and to prioritize appropriate interventions. Emphasis is on competent nursing care during acute illness and promotion of health during long-term problems. Incorporates evaluation of research and theories appropriate to the health status of client families. Clinical experiences focus on the application of advanced practice theory within settings which care for families undergoing health crisis.
- NURS 7320 Clinical Nurse Leader Role Development in Practice** 2-4-3
Prerequisites: NURS 7100, 7110, 7150, 7160, 7200, 7200L, 7220, 7230, 7300, 7310. Analysis of CNL roles with concentration on care provider, leader, and care manager. Emphasis is on the application of knowledge and skills in providing, leading, and managing care in complex patient, cohort, or community situations, focusing on quality care environments and client-centered outcomes. Students will have preceptored clinical experiences in selected areas of advanced nursing practice and will design a portfolio and initiate a CNL project to guide and develop professional practice.
- NURS 7321 Curriculum Design for Nursing** 2-3-3
Prerequisites: Clinical Focus Courses. Focuses on the historical and current theories and trends in curricular development. Students will explore curricular designs, implementation issues, course development, and program evaluation issues related to nursing education. Laboratory experiences include activities such as curriculum meetings, classroom and clinical observation/evaluation, and development of a prototype nursing curriculum.
- NURS 7330 Acute and Self-limiting Disease Management for the Nurse Practitioner** 3-0-3
Prerequisites: NURS 7200, 7200L, 7220, 7230. Diagnostic and therapeutic skills. Students will identify system-specific pathophysiology, discriminate among potential diagnoses, design and critique plans of care, and perform procedures relevant to acutely ill adolescents and adults.
- NURS 7330L Acute and Self-limiting Disease Management for the Nurse Practitioner Lab** 0-9-3
Prerequisites: NURS 7200, 7200L, 7220, 7230. Clinical practice in primary care with acutely ill adolescents and adults.
- NURS 7331 Nursing Administration: Role and Theories** 2-3-3
Prerequisites: Clinical Focus Courses. Presents theoretical role, functions, strategies, and techniques used for leading, managing and administrating the nursing function in a variety of settings. Provides a clinical component in which the roles of the nurse administrator as a leader for creative nursing practice, as a colleague with other health care administrators, and as a nursing spokesman interacting with others of influence in the health care system are examined.
- NURS 7332 Advanced Nursing for Health Restoration of Adults** 3-0-3
Prerequisite: NURS 7231. **Corequisite:** NURS 7332K or NURS 7392. Holistic and comprehensive nursing care of multicultural adult populations, utilizing current research and theoretical concepts related to health restoration. Concepts include advanced nursing care of acute and chronic illnesses common to adult multicultural populations.

- NURS 7332L Advanced Nursing for Health Restoration of Adults: Lab** 0-9-3
Corequisite: NURS 7332. Clinical laboratory focused on application of principles related to nursing management of clinical problems in caring for adults with acute and chronic illnesses within a variety of clinical settings.
- NURS 7340 Advanced Adult Nursing: Health Care From Adolescents to Geriatrics** 3-0-3
Prerequisites: NURS 7100, 7110, 7150, 7160, 7200, 7200L, 7220, 7230. Care across the age continuum from adolescents to geriatrics. Emphasis is on principles of health promotion, disease prevention, and management of health and illness.
- NURS 7341 Care Manager: Role and Theories** 2-3-3
Prerequisite: Completion of Clinical Focus Courses. Explores the concept and models of care management within the context of the current and evolving health care environment. Examines the relationship of care management, managed care, and patient/family holistic care needs. Clinical experiences provide the opportunity to analyze care management strategies for quality and cost effectiveness and to explore development of the nursing care management role.
- NURS 7350 Chronic and Complex Disease Management for the Nurse Practitioner** 3-0-3
Prerequisites: NURS 7200, 7200L, 7220, 7230. Diagnostic and therapeutic skills. Students will identify system-specific pathophysiology, discriminate among potential diagnoses, design and critique plans of care, and perform procedures relevant to adolescents and adults with chronic and complex problems.
- NURS 7350L Chronic and Complex Disease Management for the Nurse Practitioner Lab** 3-0-3
Prerequisites: NURS 7200, 7200L, 7220, 7230. Clinical practice in primary care with adolescents and adults with chronic and complex health problems.
- NURS 7352 Mental Health Nursing with Persons** 3-9-6
Prerequisite: NURS 7251. Explores multiple theoretical approaches for positive growth in groups and family systems. Counseling competencies with groups and families to catalyze effective change/adaptation toward holistic mental health are emphasized. Clinical experience is focused on developing effective counseling skills with groups and families.
- NURS 7391 Nurse Practitioner–Diagnostic and Therapeutic** 2-6-4
Pre- or co-requisite: NURS 7231. Holistic and comprehensive nursing care within the role of the nurse practitioner. Emphasis will be on the identification and management of the health care needs of adults. Research related to the role of advanced practice as a nurse practitioner is applied. Clinical experience is focused on application of principles related to diagnostic modalities and therapies for common health problems.
- NURS 7392 Advanced Nursing for Health Restoration of Adults Clinical Laboratory - NP** 0-9-3
Prerequisite: NURS 7291. **Co-requisite:** NURS 7332. The application of advanced practice theory related to assessment and health promotion within role-specific settings. This clinical experience is for students in the nurse practitioner track.
- NURS 7410 Clinical Nurse Leader Synthesis and Best Practices** 1-4-2
Prerequisite or Corequisite: NURS 7320. Analysis, synthesis, and evaluation of practice patterns for CNL best practices. This course builds competencies in clinical decision-making, problem identification and resolution, resource management, and outcomes measurement for selected populations. Emphasis is on working with patients, cohorts, and health teach of multicultural backgrounds and being accountable for coordination, delegation, and supervision at the point of care.

- NURS 7420 Clinical Practicum and Residency for Clinical Nurse Leaders** 0-12-3 or 0-24-6
Prerequisite: NURS 7410. A culminating residency, immersion, precepted experience for students to fully enact the roles of CNL in selected microsystems. Emphasis is placed on CNL competencies, particularly team building and leading, communication, advocacy, resource and outcomes management, and evidence-based practice. Students must successfully complete and disseminate results of the CNL capstone project and pass the AACN national board certification examination for clinical nurse leaders. A total of 6 credit hours (360 clinical hours) are required.
- NURS 7422 Teaching Strategies for Nursing** 1-15-6
Prerequisite: NURS 7321. Focuses on the theoretical concepts related to nursing education. Students will explore, develop, and implement a variety of teaching strategies. Laboratory hours will be spent in mentorship relationships with nursing faculty as a novice educator in classroom and clinical settings.
- NURS 7432 Nursing Administration: Implementation of Role** 1-15-6
Prerequisite: NURS 7331. Synthesizes knowledge of the health care system, theories of administration and organization, nursing theories, role theory, issues, trends, financial and policy development, and research in health care systems into practice. The clinical practicum experience develops beginning competencies as a nurse administrator in health care systems.
- NURS 7442 Care Manager: Nursing Role Development and Implementation** 1-15-6
Prerequisite: NURS 7341. Explains the development, implementation, and evaluation of care management models and plans. Explores the relationship between care management, quality improvement, and holistic care. Identifies strategies for measuring, evaluating, and assessing care management outcomes. Clinical experiences provide the opportunity to design and implement care management strategies.
- NURS 7450 Clinical Procedures For Advanced Practice Nurses** 2-0-2
Prerequisites: NURS 7100, 7200, 7200L, 7230. Clinical skills used in advanced nursing practice. The focus is on theoretical and practical aspects of a variety of procedures and diagnostic modalities.
- NURS 7460 Financial Management for Nurses** 3-0-3
Prerequisites: Clinical Focus Courses. Provides an overview of financial management topics such as accounting, economics, strategic planning, decision making tools, and marketing in order to prepare the senior or mid-level health care manager for a collegial relationship with their financial manager. Open to all graduate students in nursing.
- NURS 7463 Thesis** 3 to 6 credit hours
Prerequisite: NURS 7120. Capstone research course resulting in the proposal and preparation of a thesis in APA style. A thesis defense if required. Continuous registration is required until the thesis is completed, with a minimum of 6 hours needed for course completion.
- NURS 7473 Project** 3 to 6 credit hours
Prerequisite: NURS 7120. Graded “Satisfactory” or “Unsatisfactory.” An independent study to develop a nursing project of the student’s choice under the supervision of a faculty member. Course will be graded “IP,” “S,” or “U,” as appropriate.
- NURS 7492 Nurse Practitioner–Therapeutic Interventions and Role Implementation** 3-0-3
Prerequisite: NURS 7391. Synthesis of concepts and generation of research issues related to the role of the nurse practitioner. Emphasis is on provision of holistic nursing in the supervised role of adult nurse practitioner within a variety of settings.
- NURS 7510 Nurse Practitioner Project I** 3-0-3
Prerequisite: NURS 7220. Development of a nursing project under the mentorship of a faculty member. Students develop a proposal for an evidence-based initiative or protocol for advanced nursing practice.

- NURS 7520 Nurse Practitioner Project II** 4-0-4
Prerequisite: NURS 7510. Development of a nursing project under the mentorship of a faculty member. Students complete the project initiated in NP Project I.
- NURS 7590 Nurse Practitioner Practicum** 0-15-5
Prerequisite: NURS 7200, 7200L, 7230, 7330, 7330L, 7350, 7350L. Synthesis of nurse practitioner clinical knowledge and skills. Emphasis is on health promotion, disease prevention, and clinical practice in primary care with adolescents and adults.
- NURS 7594 Synthesis Seminar** 0-6-2
Co-requisite: NURS 7590. Synthesis and application of knowledge required to function as a competent nurse practitioner. Students explore ethics, marketing, practice management, and standards of practice for the nurse practitioner.
- NURS 9011 Biostatistics** 3-0-3=
 Survey of data and data types as a foundation for the scholarship of application, analysis, and interpretation of data to solve practice problems, and improvement of population health. Analysis of health data is applied to evaluation of practice outcomes and the development of practice guidelines.
- NURS 9100 DNP Foundations Seminar** 1-0-1
 Theoretical underpinnings for the foundation of the Doctor of Nursing Practice role, including developing solutions regarding access to healthcare and equality issues.
- NURS 9110 Principles of Epidemiology** 3-0-3
 Application of public health models to the analysis of data to inform clinical practice in health care.
- NURS 9120 Policy, Finance, and Health Systems** 3-0-3
 Interrelationships among finance, policy development, health systems organization, and health outcomes at the local, regional, state, and national levels to inform DNP practice.
- NURS 9130 Informatics for Advanced Nursing Practice** 3-0-3
 Application of information theory and computer technology skills directed towards improving the organization and delivery of healthcare to multicultural populations. This course uses technology for optimizing collection, verification, and utilization of data that relate to generating knowledge for best practice.
- NURS 9200 Advanced Applications of Evidence-based Practice** 3-0-3
 Knowledge and resources to develop and implement evidence-based clinical and administrative programs in nursing and health care delivery systems. Emphasis is on the evaluation of outcomes of practice, practice patterns, and systems of care.
- NURS 9210 Leadership and Role Development for Advanced Practice Nursing** 3-0-3
 Application of leadership and management theories to the development of the DNP role. Focus is on entrepreneurship, change, and interprofessional collaboration.
- NURS 9220 Population Health for Advanced Practice Nursing** 3-0-3
 Principles of disease management, quality, safety, and health policy to improve population health.
- NURS 9230 Health Ethics** 3-0-3
 Application of ethical theories and rational decision-making in health care.
- NURS 9300 DNP Residency I** 0-12-3
Prerequisites: NURS 9011, 9100, 9110, 9120, 9130, 9200, 9210, 9220, and 9230. Intense practice immersion that integrates the role of the DNP into clinical practice, focusing on designing, delivering, and evaluating comprehensive, evidence-based care to individuals, aggregates, and populations.
- NURS 9310 DNP Residency II** 0-12-3
Prerequisites: NURS 9011, 9100, 9110, 9120, 9130, 9200, 9210, 9220, and 9230. Intense practice immersion that integrates the role of the DNP into clinical practice, focusing on leadership, consultation, advocacy, and interdisciplinary collaboration to improve the safety and quality of health care for diverse populations.

- NURS 9400 DNP Clinical Project I** 3-0-3
Prerequisites: NURS 9011, 9100, 9110, 9120, 9130, 9200, 9210, 9220, and 9230. Development of the DNP capstone project, demonstrating the student's ability to evaluate and apply theory and evidence to clinical practice and leadership.
- NURS 9410 DNP Clinical Project II** 0-10-3
Prerequisite: NURS 9400. Implementation, evaluation, and dissemination of the DNP capstone project.

PADM: PUBLIC ADMINISTRATION

- PADM 7000 Human Resource Management** 3-0-3
 A study of Human Resource Management. This course examines the processes of personnel administration and relates them to the human resource needs of organizations.
- PADM 7010 Public Sector Labor Relations** 3-0-3
 An analysis of labor relations in public organizations. Topics include dispute resolution, management of benefit packages, and other current issues of labor relations.
- PADM 7020 Public Sector Planning** 3-0-3
 An exploration of the elements of public sector planning, including data validation, forecasting and projection techniques, and decision making.
- PADM 7040 Non-Profit Management** 3-0-3
 A survey of the types, methods, and techniques of management of organizations outside the dualistic public and private sector model. Emphasis is on revenue strategies, structure and control.
- PADM 7050 Administrative Law and Government** 3-0-3
 An overview of the administrative legal processes, focusing on the formation and execution of public policy. Special emphasis is placed upon protecting the rights of all parties in the complex processes of administrative law, policy formation, and implementation.
- PADM 7060 Quantitative Methods for Public Administration** 3-0-3
 The application of quantitative methods to problems faced by public administration practitioners. Topics include regression analysis and the use of probability theory as they apply to decision making in public management.
- PADM 7090 Policy Analysis** 3-0-3
Prerequisite or corequisite: PADM 7060. A systematic survey of the theories, basic concepts and approaches associated with empirical analysis of public policies. Topics include problems and uses of analysis, with reliance on case studies.
- PADM 7110 Information Management** 3-0-3
Also offered as MLIS 7270. A survey of the issues and problems of information management. Emphasis is on modern developments in the generation, storage, classification and transmission of information vital to the management of public organizations.
- PADM 7120 Accounting for the Public Sector** 3-0-3
 A study of the role accounting plays in the overall management process within public agencies. Emphasis is given to the use of accounting techniques as a means of assuring proper control over funds entrusted for public purposes.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

- PADM 7140 Governmental Budgeting and Finance** 3-0-3
An analysis of financial management and budgeting procedures as applied to federal, state and local governments.
- PADM 7170 Organizational Theory and Behavior** 3-0-3
An introduction to major theories concerning management in the public sector, including analysis of individual behavior in an organizational context. Emphasis is on the politicized environment.
- PADM 7180 Labor Law** 3-0-3
An examination of modern labor movements in the United States, with special attention to the National Labor Relations Act and other fair employment practices acts. Attention will also be focused on the laws of unionization, collective bargaining, strikes, and picketing.
- PADM 7190 Special Topics in Public Administration** 3-0-3
Study in areas which are not ordinarily covered in the MPA Program, but which may be of contemporary or special interest to MPA students at the time.
- PADM 7200 Directed Study in Public Administration** 1-0-1 to 3-0-3
Directed readings in selected areas of public administration with regular conferences between the student and the faculty member.
- PADM 7210 Internship in Public Administration** 1-0-1
Corequisite: PADM 7900. Graded “Satisfactory” or “Unsatisfactory.” A one-semester internship in public or not-for-profit agency to be taken during student’s final semester of course work. The internship is designed to gain practical experience in the field of public administration. A written report or a portfolio development is required.
- PADM 7220 Managing Diversity in the Public Workforce** 3-0-3
An overview of diversity issues in public management from a human resource manager’s perspective. Topics include differences in age, disability, gender, race/ethnicity, and culture and their impact on human resource management.
- PADM 7240 Public Administration and Community-Based Organizations** 3-0-3
An examination of the relationships between urban public administrators and their environment. Topics include but are not limited to the role community organizations, interest groups, and demographic diversity upon the management function.
- PADM 7250 Managing Small Cities and Counties** 3-0-3
An overview of local government operations for small and mid-sized communities. Topics include legal issues, the clerk’s office, emergency management, planning, economic development, public works, leisure and human services, police and fire services, budgeting and financial management, personnel, communication, and intergovernmental relations.
- PADM 7260 Democracy and Public Administration** 3-0-3
An examination of the role of the career administrator in a democratic system. Topics include the nature of the American democratic system and the ethical implications of non-elected administrators playing a key role in the system.
- PADM 7270 Innovation and Creative Problem Solving in the Public Sector** 3-0-3
An exploration of innovation, problem solving, and creativity as applied to the public sector. The course seeks to expand class participants’ understanding and abilities in each of these areas.
- PADM 7300 Foundations Seminar in Public Administration** 3 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A survey of the field of public administration, including the research and writing skills needed for successful study in the field. The course is to be taken during the student’s first semester of coursework. Students must demonstrate basic computer proficiency as part of this course.
- PADM 7350 Intergovernmental Management** 3 hours credit
A study of federal, state, and local government interactions, including interactions with the not-for-profit sector, from the perspective of a public administrator.

- PADM 7360 Planning and Implementing Electronic Government** 3-0-3
An introduction to the methods and processes for planning and implementing a website for a governmental entity or a nonprofit organization. Students will learn how public and nonprofit organizations utilize the web to meet the needs of their constituents.
- PADM 7370 Comparative Public Policy** 3 hours credit
An examination of how public policies differ cross-nationally, why they differ, and what impact they have on their respective societies.
- PADM 7380 Politics of Managing Urban Areas** 3 hours credit
A survey of urban history and governmental functions, with particular attention on infrastructures. Focus is placed on urban politics from a public administration approach, along with pertinent policies such as economic development, transportation, education, criminal justice, and health policy. Emphasis is placed on management in a political context.
- PADM 7400 Ethics and Public Administration** 3-0-3
An examination of the role of ethics in public administration, with an emphasis on ethical obligations, practices, and decision-making. Students will analyze the principal philosophical approaches that inform ethical behavior and apply moral reasoning to a variety of specific cases that highlight ethical dilemmas faced by public administrators.
- PADM 7410 Performance Analysis for Government and Non-Governmental Organizations** 3-0-3
An overview of performance measurements and analysis for public and non-profit organizations.
- PADM 7420 Homeland Security** 3-0-3
An overview of homeland security, focusing on conventional and unconventional threats. Special emphasis is placed on civil defense, emergency management, and policy making.
- PADM 7500 Environmental Policy** 3-0-3
An examination of environmental politics and policy in the U.S. and U.S. involvement in global environmental issues. Using historical and current case topics, students will gain a greater understanding of challenges facing public administrators in managing environmental concerns.
- PADM 7510 Health Policy** 3-0-3
An examination of politics and policy making in health care in the U.S. Topics will include providers, payers, and regulators; policy evaluation; and the challenges facing public administrators who manage or access the health care system.
- PADM 7600 Public Policy Formation** 3-0-3
An examination of the making of public policy in the United States. Using case studies and applied analysis, students will develop a deeper understanding of the institutions, people, and environmental conditions that influence the formation of public policies.
- PADM 7670 Quality Management in Public Administration** 3-0-3
A survey of the history, practice, and theory of quality management, as specifically related to public sector and nonprofit organizations.
- PADM 7860 Grant Writing and Management** 3 hours credit
An examination of the process of acquiring and managing grants in the public sector. Emphasis is on demonstrating knowledge of grant strategies and procedures gained through course material and completion of a case study.
- PADM 7900 Capstone Seminar in Public Administration** 2-0-2
Corequisite: PADM 7210. Graded “Satisfactory” or “Unsatisfactory.” To be taken during the student’s final semester of course work. An Internet-based course. Students are expected to demonstrate mastery of the material presented in their program of study through case analyses. This course serves as the exit requirement for the MPA program.

- PADM 9000 Administration and Government** 3-0-3
 A survey of the history and development of public administration and the institutions of government. This course is designed to introduce students to the social, political, and institutional context of public administration. Topics include democracy, federalism, and administrative theory.
- PADM 9010 Financial Management for Public and Non-Governmental Organizations** 3-0-3
 A review and assessment of current practices and theory in public finance administration. The applicability of key public theories is analyzed in terms of their use within governmental and not-for-profit (NPO) settings. Specific attention is paid to applying theory as a standard of judgment in assessing the quality of governmental and NPO financial and budgetary structures and activities.
- PADM 9020 Managing Human Resources in Public and Non-Governmental Organizations** 3-0-3
 A focus on human resource management in public and non-governmental organizations, including the standards that government bureaucracies have set for personnel practices in areas of diversity, equal opportunity, merit, and fair labor compensation that have been adopted in the private and non-governmental sectors.
- PADM 9030 Logic of Inquiry in Administration** 3-0-3
 An in-depth examination of the various epistemological approaches used in the systematic study of public administration.
- PADM 9040 Research and Methods for Public Administration** 3-0-3
Prerequisite: PADM 9030. An in-depth examination of the research methods used in the study of public administration. The course will expose students to the research methodologies available to modern public administrators and academics and to the software packages available to analyze data concerning various questions important to political scientists. The course will help students acquire the capability to critically examine empirical research and facilitate their ability to develop and carry out a complete empirical research project.
- PADM 9050 Program Evaluation** 3-0-3
Prerequisite: PADM 9040. Also offered as PSYC 9050. Theories, research, and practice related to program evaluation in government and nonprofit organizations.
- PADM 9060 Information and Data Management** 3-0-3
 An examination of technology and information management, including hardware, software, and systems development. Particular emphasis will be placed on the management of information resources within the public sector and the role of E-Government.
- PADM 9070 Culture of Formal Work Organizations** 3-0-3
Also offered as SOCI 9070. The study of organizational culture and methods of changing culture in public and nonprofit organizations. The impact of culture on organizational behavior will be discussed.
- PADM 9090 Educational Policy Analysis** 3-0-3
Prerequisites: Doctoral standing or approval of instructor. A systematic survey, of the theory, concepts and approaches associated with empirical analysis of public educational policies in a multicultural environment. Topics include quantitative and qualitative tools and methods of analysis. The case studies approach is utilized.
- PADM 9670 Quality Management in Public Administration** 3-0-3
 A survey of the history, practice, and theory of quality management, as specifically related to public sector and nonprofit organizations, with emphasis on data collection and analysis.

- PADM 9990 Capstone Seminar** 3-0-3
Graded “Satisfactory” or “Unsatisfactory.” The concluding seminar in the DPA program, to be taken during a student’s final semester. Students will demonstrate mastery of the material presented in their programs of study through a variety of methods and will present a professional portfolio. Students will develop and defend the proposal for their final project or organizational analysis.
- PADM 9999 Final Project/Organizational Analysis** 1 or 3 hours credit
Prerequisites: Completion of major courses and permission of advisor or final project chair. Graded “Satisfactory” or “Unsatisfactory.” Development and defense of the final project or organizational analysis. Under the supervision of a faculty committee, students will conduct either an applied research project or a descriptive and prescriptive evaluation of the management policies of an agency. Course may be repeated for credit. Students must take a minimum of 6 credit hours.

PHIL: PHILOSOPHY

- PHIL 5100 Ethics and Health Care** 3-0-3
 A study of ethical issue in health care delivery, with special emphasis on topics such as abortion, euthanasia, paternalism and autonomy, confidentiality, medical experimentation and informed consent, allocation of scarce resources, and the right to health care.
- PHIL 5150 Ethics and Business** 3-0-3
 A study of ethical issues in business and society, with special emphasis on corporate responsibility, regulation of business, and the protection of workers, consumers and the environment.
- PHIL 5190 Ethics and the Social Sciences** 3-0-3
 A study of ethical issues in the social sciences, with special emphasis on issues such as human and animal experimentation, counseling, behavior control, punishment, psychological and sociological determination, and gender and racial discrimination.
- PHIL 6120 Ethics and Public Policy** 3-0-3
 A study of ethical issues involved in public policy, with special emphasis on issues such as affirmative action, abortion, euthanasia, capital punishment, free speech and privacy.
- PHIL 6220 Ethics and Public Administration** 3-0-3
 A study of ethical issues in public administration, with special emphasis on developing analytical skills in ethical decision-making in the public sector, highlighting the role of ethics and professional responsibility in public service, and identifying situations involving professional malfeasance such as conflict of interest.
- PHIL 7100 Topics in Ethics and Sport** 3-0-3
 A seminar in ethical issues in sports and contemporary society.
- PHIL 7900 Topics in Philosophy** 3-0-3
 A special topics course, designed to address a selected topic for research analysis.
- PHIL 9070 Philosophy of Education** 3-0-3
 A systematic analysis of topics central to educational philosophy, including theories of education, logic, critical thinking and scientific method, and ethical issues in education. Seminar discussions and case studies are utilized, as is World Wide Web Internet technology.

PHSC: PHYSICAL SCIENCE

- PHSC 5010 Experimental Physical Science** 2-4-4
This course covers the basic principles of physical science, and how apparatus can be built from commonly available materials in order to demonstrate these principles.
- PHSC 5050 Observational Astronomy** 2-4-4
A study of the observation of celestial objects visible to the unaided eye, with astronomical photography, the position and motion of objects in the sky, locating celestial objects with the telescope and the use of star charts. The course consists of about 25 hours of lecture and 50 hours of laboratory work.

PHYS: PHYSICS

- PHYS 5040 Electronics** 2-4-4
A lecture-laboratory study of basic electrical circuits and techniques, including extensive use of the oscilloscope. Both continuous wave and pulse phenomena are treated.
- PHYS 5100 Optics** 2-2-4
An advanced course with emphasis on physical optics. Lens matrices, interference, polarization, dispersion, absorption, resonance, and quantum effects will be covered. The electromagnetic nature of light is emphasized. Students will be required to implement a project that involves applying theory to an experiment, performing the experiment, analyzing the results, and writing a paper reporting on the results.
- PHYS 5810 Mathematical Methods of Physics** 3-0-3
Special topics in mathematics as related to advance study in physics. Topics include vector analysis, differential equations, orthogonal functions, eigenvalue problems, matrix methods, and complex variables.
- PHYS 5820 Computational Physics** 3-0-3
Topics include formulation of equations describing physical systems and the use of computers to solve them, computer simulations of physical systems, the use of computers to acquire and analyze data, and graphical methods of displaying data.
- PHYS 6040 Experimental Physics** 2-4-4
A lecture-laboratory course devoted to techniques of research in experimental physics. Topics include treatment of data, vacuum techniques, magnetic devices, preparation and manipulation of beams of particles and radioactivity. A number of modern physics experiments are studied and performed.
- PHYS 6111-6112 Theoretical Mechanics I, II** 3-0-3 each
Topics include Newtonian Mechanics, conservation laws, Lagrange's equations, and relativity.
- PHYS 6211-6212 Electromagnetism I, II** 3-0-3 each
Topics include electrostatics, magnetostatics, time varying electric and magnetic fields, Maxwell's equations, and propagation of electromagnetic waves.
- PHYS 4310 Thermodynamics** 3-0-3
Prerequisite: MATH 2263, PHYS 2211K. Basic principles of classical thermodynamics, which includes open and closed systems for both steady and transient processes.
- PHYS 6411-6412 Modern Physics, I, II** 3-0-3 each
An introduction to twentieth-century physics with the emphasis on quantum mechanics and its applications to atomic and nuclear structure, and to solid state physics. Both wave and matrix formalisms are developed, along with their experimental implications.
- PHYS 6800 Internship in Physics** 0-6-3 to 0-12-6
Active participation in research in physics or in a field of science closely allied with physics, such as biophysics. A daily log of activities, a report on the work done, and a research paper relating the work done to the field of physics are required.

- PHYS 6900 Special Topics in Physics** 1-0-1 to 4-4-6
 Topics to be assigned by instructor; may be taken more than once if topics are different, up to a total of 6 credit hours.
- PHYS 6950 Directed Study in Physics** 1-0-1 to 4-4-6
 Study in area or subject not normally found in established courses offered by the department; may also allow student to explore in more detail and/or depth an area or subject covered by the department in physics. Up to a maximum of 12 credit hours.

POLS: POLITICAL SCIENCE

- POLS 5200 American State and Local Government and Politics** 3-0-3
 A study of American subnational governments and politics with special emphasis upon intergovernmental relations.
- POLS 5210 The American Legislative Process** 3-0-3
 A study of the legislative process in the United States, focusing primarily on Congress and the state legislatures. Course topics will include elections for legislative offices and the interaction between the legislature and the executive branch. The roles of parties and leaders in the legislative process will be examined.
- POLS 5300 Comparative Politics** 3-0-3
 A study of the key concepts and theories of comparative politics. Examines case studies from different types of political systems and regions of the world.
- POLS 5400 International Politics** 3-0-3
 A study of key concepts and theories of international politics. Examines the evolution of the contemporary international system and conflict and cooperation among nation-states.
- POLS 5500 Western Political Theory I** 3-0-3
 An examination of the teachings of the classical period of political theory from early Greeks through the political writings of Thomas Aquinas.
- POLS 5510 Western Political Theory II** 3-0-3
 An examination of the normative teachings of modern political theory beginning with Machiavelli up to the writings of John Stuart Mill.
- POLS 5520 Modern Political Ideologies** 3-0-3
 An exploration of the dominant political ideologies that shape decisions about and understanding of political events, including but not limited to capitalism, socialism, communism, patriarchy, feminism, environmentalism, liberation theology, liberalism, populism, and nationalism.
- POLS 5530 American Political Thought** 3-0-3
 A study of the foundations of American political thought from the Puritan era to contemporary times.
- POLS 5600 Introduction to Public Administration** 3-0-3
 A focus on the study of public administration processes and underlying theories within American government structures. Emphasis is on the pragmatic aspects of current government leadership and public agency management.
- POLS 5620 Health Policy** 3-0-3
 An examination of the emergence of national health care programs in the United States. The course focuses on the contending interests in the health policy arena and on related management issues.
- POLS 6120 Ethics and Public Policy** 3-0-3
May also be taken as PHIL 6120. A study of ethical issues involved in public policy with special emphasis on issues such as affirmative action, abortion, euthanasia, capital punishment, free speech, and privacy.

- POLS 6330 African Politics** 3-0-3
A study of the domestic and international politics of Africa from the pre-colonial period to the present day.
- POLS 6410 American Foreign Policy** 3-0-3
A study of the domestic and external pressures that guide American foreign policy planners. Specific policies toward Russia, West Europe, China, and Latin America will receive special attention.
- POLS 6430 National Security Administration and Policy** 3-0-3
An examination of the organizational dynamics, political features, and policy outcomes of the national security decision-making process. Special attention will be placed on the changing role of the National Security Council.
- POLS 6600 Government Organization and Administrative Theory** 3-0-3
A systematic analysis of theories of organization, management, and administration. Special consideration will be given to institutional, behavioral, and psychological factors.
- POLS 6620 Public Finance Administration** 3-0-3
A study of the activities involved in the collection, custody, and expenditure of public revenue, such as the assessment and collection of taxes, public borrowing and debt administration, the preparation and enactment of the budget, financial accountability and the audit.
- POLS 6640 Urban Politics and Administration** 3-0-3
An analysis of the governmental function in urban areas. Emphasis is placed on the management role in a political context.
- POLS 6650 Intergovernmental Relations** 3-0-3
A study of federal, state, and local governmental interactions, with an emphasis on the implications of these interactions for public management.
- POLS 6670 Quality Management in Public Administration** 3-0-3
An examination of the key current issues in public administration. The course explores the most current literature illuminating the issues facing public administrators in today's demanding environment.
- POLS 6820 Special Topics in U. S. Government and Politics** 3-0-3
- POLS 6830 Special Topics in Comparative Politics** 3-0-3
- POLS 6840 Special Topics in International Politics** 3-0-3
- POLS 6860 Special Topics in Public Administration** 3-0-3

PSYC: PSYCHOLOGY

- PSYC 5400 Abnormal Psychology** 3-0-3
Open to graduate students from any major. The nature and etiology of the various forms of behavior disorder, mental deficiency, and other deviations. Critical evaluation of current theories.
- PSYC 5500 Statistical Methods in Psychology** 3-0-3
Open to graduate students from any major. Univariate and bivariate statistical methods for research in the behavioral sciences.
- PSYC 5700 Rehabilitation Psychology** 3-0-3
The course focuses on biological, personality, cognitive, and social effects of disabilities on adult development. Emphasis is placed on sensory and motor disabilities and the roles played by vocational rehabilitation programs, independent living initiatives, and the community integration movement on rehabilitation. Implications of theory, research, and program implementation on rehabilitation outcomes are made.

- PSYC 5800 Industrial/Organizational Psychology** 3-0-3
Open to graduate students from any major. Theory and application of psychological principles to industrial and organizational settings.
- PSYC 6500 Special Topics** 1-0-1 to 3-0-3
Prerequisite: Approval of advisor and instructor.
- PSYC 7000 Methods In School Psychology** 3-1-3
Prerequisite: Admission to Graduate Program in the Department. An introduction to the modern role of school psychologists, to include response to intervention strategies and current special education law. Historical, current, and future status of psychological services in the schools will be explored. Professional, ethical, and cultural issues will be presented for discussion, with particular attention to recent developments in federal and state laws that affect the delivery of services in the school.
- PSYC 7010 Learning and Assessment** 3-0-3
Prerequisite: RSCH 7100. This course assists the in-service educator (teacher, administrator, coach, curriculum supervisor, etc.) to understand learning and assessment as they apply in educational settings.
- PSYC 7020 Conditions Of Learning** 3-0-3
Prerequisite: RSCH 7100 or PSYC 5500. This course is designed to aid the in-service educator in predicting, understanding, and controlling the fundamental principles of learning and human development as they apply to schools. The emphasis is on studying the variables shown by research to affect students and educators in the teaching/learning process.
- PSYC 7030 Measurement And Evaluation** 3-0-3
Prerequisite: RSCH 7100, PSYC 3500 or PSYC 5500. An overview of issues related to assessment, measurement, and evaluation in educational and school counseling settings, including supervised experience in instrument selection, use, and outcomes analysis.
- PSYC 7040 Adult Learning and Assessment** 3-0-3
Prerequisite: RSCH 7100. Course designed to aid the in-service educator in predicting, understanding, and controlling fundamental principles of learning and assessment as they apply in the education and training of adults.
- PSYC 7100 Intellectual Assessment** 3-2-4
Prerequisite: Admission to Clinical/Counseling Psychology or School Psychology. A combination of lectures and supervised practical experiences on conducting psychological evaluations. Primary emphasis on the administration, scoring and interpretation of traditional and process oriented intellectual measures. Additional training on clinical interview and report writing skills as well as functional mastering of selected psychometric instruments.
- PSYC 7110 Personality Assessment** 3-2-4
Prerequisite: Admission to Clinical/Counseling Psychology or School Psychology. An introduction to the theory, administration, and interpretation of personality assessment instruments, with primary emphasis on objective measures. Open only to advanced students with adequate background in psychological measurement and theory of personality.
- PSYC 7120 Academic and Behavioral Assessment** 4-1-4
Prerequisites: A previous graduate assessment course and permission of instructor. Also offered as SCHC 7120. Advanced intensive study of the administration and interpretation of individual academic and behavioral assessment instruments with attention to multimethod, multisource, and multisetting methodologies; emphasis on the measurement of change within individuals and system levels of intervention.
- PSYC 7130 Infant and Preschool Assessment** 3-0-3
Prerequisite: Graduate standing, permission of the instructor, and prior coursework in measurement, evaluation, and child development. Training on the administration, scoring, and interpretation of instruments assessing cognitive, visual-motor ability, and adaptive behavior of infants, toddlers, and preschool-aged children.

- PSYC 7200 Psychopathology** 3-0-3
Prerequisite: Admission to Clinical/Counseling Psychology or School Psychology or permission of the Instructor. Overview of formal psychopathology classification systems across the life span with emphasis on the integration of multivariate, empirical approaches, and medical and psychological models. The course is designed to familiarize students with evolving information such as criteria, co-morbidity rates, and issues of differential diagnosis accrued from the current Diagnostic and Statistical Manual, and the developmental psychopathology literature. Case studies will be used to illustrate diagnostic issues.
- PSYC 7400 Counseling Theory And Practice** 3-0-3
Also offered as SCHC 7400. Prerequisite: Admission to Graduate Program in Department. Introduction to major theoretical approaches to counseling and psychotherapy. Theories of personality and the causes of mental illness and emotional distress will be reviewed as frameworks for intervention. Specific case examples will illustrate applications of theory to professional practice.
- PSYC 7420 Child Counseling** 3-0-3
Also offered as SCHC 7420. Prerequisite: PSYC 7200 or PSYC 7400. Theories, methods, and techniques of psychotherapy with children. Emphasis will be placed on a multidimensional view of intervention with children, giving attention to developmental, cognitive, behavioral, affective, organic, educational, social, and environmental issues.
- PSYC 7450 Group Counseling** 3-0-3
Also offered as SCHC 7450. Prerequisite: PSYC 7400. Group dynamics and their importance in the counseling process and counseling outcome are studied. Emphasis is given to the application of various counseling and psychotherapeutic approaches within the group setting.
- PSYC 7470 Counseling Culturally Diverse Populations** 3-0-3
Also offered as SCHC 7470. Prerequisite: PSYC 7400. Survey of the cultural context of relationships, issues, and trends in a multicultural and diverse society. Emphasis placed on a knowledge base related to theory, techniques and skills utilized in working with culturally diverse populations.
- PSYC 7500 Consultation Theory and Practice** 3-0-3
 An introduction to consultation and collaboration. Effective development of indirect intervention strategies employed by human services workers will be reviewed in this course.
- PSYC 7600 Personnel Selection** 3-0-3
Prerequisite: Permission of Instructor. This course addresses personnel selection from predictors to criterion measures of job performance; measurement issues; job and task analyses; and the legal and social context for the process.
- PSYC 7610 Performance Appraisal** 3-0-3
Prerequisite: Permission of Instructor. Methods, theory, and applications in the measurement of work performance as related to administrative, developmental, and feedback functions.
- PSYC 7670 Social Psychology** 3-0-3
Prerequisite: Open to graduate students from any major. Integration of classic and contemporary theories, research, and application relating groups, organizations, culture, and society to individual behavior.
- PSYC 7690 Professional Issues In I/O Psychology** 1-0-1
Prerequisite: Permission of Instructor. Current issues in the provision of I/O services.
- PSYC 7791, 7792, 7793, 7794, 7795 School Psychology Practicum** 1 hour each
Prerequisite: Admission to School Psychology program.

- PSYC 7820 Career Counseling** 3-1-3
Also offered as SCHC 7820. An introduction to the theories of career choice and to human development processes which influence career choice. Emphasis is placed on the nature and use of educational and occupational information in assisting individuals to explore the world of work and develop meaningful career plans. The course includes lab experiences consisting of administering scoring and interpreting career inventories. Students also learn about computer assisted career development including the Georgia Career Information System. Open as an elective to all graduate majors.
- PSYC 7860 The College Student** 3-0-3
 This course studies the development of the individual postsecondary education student. The major philosophies of student and individual development will be examined, in light of current adult development theories. The emphasis of the course will be on the specialized and developmental needs of the postsecondary education student.
- PSYC 7900 Pre-Practicum** 3-0-3
Also offered as SCHC 7900. Prerequisite: PSYC 7400 Advanced course in counseling and psychotherapeutic approaches emphasizing skill development. Extensive role playing in dyads and groups will be critiqued. Basic attending, empathy, and relationship skills will be emphasized as well as specific techniques such as desensitization, contracting, and role reversal.
- PSYC 7961, PSYC 7962 I/O Psychology Practicum I, II** 3 hours each
Prerequisite: Admission to I/O Program and Advanced standing. Supervised training in an appropriate applied setting.
- PSYC 7971, PSYC 7972 Clinical/Counseling Psychology Practicum I, II** 2-0-2 each
Prerequisite: PSYC 7900 and successful completion of comprehensive examinations.
- PSYC 8000 Research Design And Analysis** 3-0-3
Prerequisite: PSYC 5500 or permission of instructor. Design of experimental and correlational research, using univariate, bivariate, and multivariate techniques.
- PSYC 8120 Alternative Assessment** 2-1-2
Prerequisite: PSYC 7100. Alternative methodologies such as portfolio, authentic, curriculum-based, and dynamic assessment will be introduced. Integration of alternative and traditional methodologies will be emphasized. Application to multicultural, non-traditional settings, and to the assessment of special populations such as infants will be addressed.
- PSYC 8130 Computer Based Assessment** 2-1-2
Prerequisite: PSYC 7100. Course content will include technological advances that augment both traditional as well as more recent assessment devices. Development and applications of alternative assessment methodologies such as adaptive testing and intervention-based program development will be examined.
- PSYCH 8140 Emergent Technologies for Intervention-Based Assessment** 1-0-1
Prerequisite: A previous graduate assessment course and/or permission of instructor. Includes technological advances that augment both traditional as well as more recent assessment devices; examines alternative assessment methodologies for individual and family intervention-based program development.
- PSYC 8150 Behavioral Health Care Systems** 3-1-3
Prerequisite: PSYC 7420 or permission of instructor. Also offered as SCHC 8150. Develops knowledge and skills concerning the behavioral health care of school aged youth with severe emotional disorders, including the conceptual, philosophical, operational, structural and procedural mechanisms commonly associated with system-level service coordination and delivery.
- PSYC 8160 Advanced Practice in Cognitive Behavioral Therapy** 3-0-3
Also offered as SCHC 8160. Prerequisite: SCHC 7400 or PSYC 7400 or equivalent. An in-depth study of counseling theories whereby students develop an advanced level of understanding and skill in cognitive behavioral counseling theories and practice.

- PSYC 8200 Child Psychopathology** 3-0-3
Prerequisite: PSYC 7200. An intensive study of formal psychopathology classification systems of infants, children, and adolescents with emphasis on multivariate or empirical approaches, medical models, and an integration of both. The course is designed to familiarize students with evolving information such as criteria, co-morbidity rates, and differential issues accrued from the current Diagnostic and Statistical Manual, developmental psychopathology literature, and research related to public laws governing special education. Case studies will be used to illustrate diagnostic issues.
- PSYC 8250 Developmental Psychology** 3-0-3
Prerequisite: RSCH 7100 or PSYC 8000, and Advanced standing. The course is designed to acquaint the student with life span developmental problems, milestones, achievements, and social influences from a psychological perspective. Topics will include, but not be limited to, theory, research methods, biosocial influences, cognition, language, motivation, personality, and socialization processes.
- PSYC 8350 Psychology Of Motivation** 3-0-3
Prerequisite: Advanced standing. Behavioral, cognitive, and physiological bases of motivation in theory and application.
- PSYC 8360 Human Resource Development** 3-0-3
Prerequisite: Advanced standing. Development, administration, and evaluation of strategies and products utilized in the development of human resources in business, industrial, and educational settings.
- PSYC 8370 Human Factors Psychology** 3-0-3
 Human learning, performance, and cognition in the context of human-machine and human-environment systems and interactions.
- PSYC 8400 Special Topics In Applied Psychology** 1-0-1 to 3-0-3
Prerequisite: Approval of Instructor. Introduction to current advanced topics within the fields of applied psychology. Emphasis will be placed on specific content areas and applications.
- PSYC 8500 Change and Change Measurement** 3-0-3
 Implementation and evaluation of personal and professional change. The course approaches change as a process rather than an event. Issues concerned with planning, implementing, and measuring change will be addressed.
- PSYC 8610 Behavior Modification** 3-0-3
Prerequisite: Advanced standing, and approval of instructor. The study of changes in human motivation, adjustment, and achievement as a function of the systematic application of principles derived from operant, respondent, and social learning theories. The student will be trained in defining, observing and recording behavior in various environments. Techniques of behavior therapy will be illustrated. Although there is an applied emphasis, a general knowledge of learning theory is recommended.
- PSYC 8800 Legal And Ethical Issues In Psychology** 3-0-3
Prerequisite: Admission to Graduate Program in Department and Advanced Standing. Review of legal and ethical dilemmas and decisions faced in psychological practice, including research, assessment, teaching, therapeutic intervention, consultation, and court testimony. Emphasis will be placed on a review of professional guidelines and the process of ethical decision-making.
- PSYC 8891, PSYC 8892, PSYC 8893, PSYC 8894 School Psychology Internship I, II, III, & IV** 1 hour each
Prerequisite: Advanced standing in the Ed.S. Program in School Psychology.
- PSYC 9050 Program Evaluation** 3-0-3
Prerequisite: PADM 9040. Also offered as PADM 9050. Theories, research, and practice related to program evaluation in government and nonprofit organizations.

- PSYC 8999 Thesis** 3-0-3
Prerequisite: Admission to Graduate Program in Department, advanced standing, permission of advisor. Also offered as SCHC 8999.
- PSYC 9710 Social Psychology in Educational Contexts** 3-0-3
Prerequisite: Approval of Doctoral Program Coordinator. An intensive scientific study of how our thoughts, feelings, and behaviors are influenced by the actual, imagined, or implied presence of others. Various theoretical and applied approaches of social psychology will address the educational context.

PSYCHOLOGY–GIFTED

- PSYG 5610 Nature and Needs of Children Who Are Talented and Gifted** 3-0-3
 A course designed to give an overview of educational and behavioral characteristics of pupils who are talented and gifted. Includes diagnosis, referral, management, and educational practices.
- PSYG 6600 Methods & Materials for Children Who Are Talented and Gifted** 3-0-3
 A course covering the development of curriculum content and teaching materials for students identified as talented and gifted. Considerable time will be spent on organizing learning experiences and utilizing a variety of teaching methods.
- PSYG 6620 Curriculum for Children Who Are Talented and Gifted** 3-0-3
 This course provides a study of curriculum models, the types of curriculum needed for the Talented and Gifted, guidelines for developing curricular patterns which include subject or skill, core, interest, process, experiential bases of operations, and modular designs of community involvement. The course requirements include the development of curriculum of learning activities which will have greatest applicability and usability within the local school system.
- PSYG 7600 Assessment of Children Who Are Talented and Gifted** 3-0-3
 Introduction to tests unique to assessing the developmental level and the potential achievement of children with talents and gifts. Emphasis is placed on the use of these tests in planning and selecting curricular programs and activities.

READ: READING EDUCATION

- READ 6030 Directed Study in Reading** 3-0-3
Prerequisite: Consent of the Department Head. An opportunity for intensive individual study in the student's field of specialization or an area of professional interest.
- READ 7010 Diagnosis and Correction of Reading Difficulties** 3-0-3
 Study of the nature and causes of reading difficulties, procedures for diagnosis, and methods and materials for corrective techniques in the classroom.
- READ 7100 Trends and Issues in Reading** 2-0-2 to 3-0-3
 A review of current issues and trends in literacy education. Emphasis is on the principal viewpoints on these issues, including opposing points of view.
- READ 7110 Research and Theory in Reading** 3-0-3
 A review of the major research and theories in reading. Reading research findings will be applied to classroom instruction.
- READ 7120 Word Identification, Vocabulary, and Spelling Instruction** 3-0-3
 A review of research and instructional practices in word identification, vocabulary, and spelling. Research findings will be applied to classroom instruction.

- READ 7130 Comprehension and Study Strategy Instruction** 3-0-3
A review of research related to comprehension and study strategies. Research findings will be applied to classroom instruction.
- READ 7140 Methods of Teaching Writing** 3-0-3
Methods of instructing students to write in the narrative, poetic, expository, and persuasive modes. Emphasis is placed on appropriate strategies of using the writing process; addressing the issues of form, function, and audience; employing writing as a tool to integrate curriculum; using technology appropriately to enhance writing; and assessing writing through multiple approaches.
- READ 7150 Issues in Using Literature in the Classroom** 3-0-3
An in-depth study of issues in using classic and contemporary literature in P-12 and adult literacy settings. Emphasis will be on using trade books to foster literacy development.
- READ 7160 Practicum in Diagnosing Reading Difficulties** 2-2-3
Corequisite: READ 7170. Students will study the nature and causes of reading difficulties, develop and conduct diagnostic assessments, interpret the results of the assessments, and plan instructional programs to address the learning needs of children. Students will diagnose the reading difficulties of children in the reading lab.
- READ 7170 Practicum in Correcting Reading Difficulties** 2-2-3
Corequisite: READ 7160. Students will apply their knowledge of the reading process to correct reading difficulties. They will develop and implement instructional programs to address the learning needs of children in the reading lab.
- READ 7180 Organizing and Supervising School Reading Programs** 3-0-3
Principles of organizing and supervising school reading programs will be reviewed. Special emphasis will be given to identifying characteristics of programs that maximize student achievement across diverse populations.

RSCH: RESEARCH

- RSCH 7100 Research Methodology in Education** 3-0-3
This course provides a study of methods used to conduct educational and educationally-related research and includes critical analysis of selected research articles and research design. Emphasized is the ability to use research and research methods to improve practices in educational and educationally-related settings.
- RSCH 8000 Advanced Research Methodology** 3-0-3
This course provides a study of quantitative and qualitative methods used to conduct educational and educationally related research, with a focus on the application of appropriate research models to the critique of published research and the preparation of research reports. Emphasized is the ability to use research and research methods in the development and completion of a research project in educational and educationally related settings.
- RSCH 9800 Research Design and Foundations for Advanced Quantitative, Qualitative, and Mixed Method Research** 3-0-3
Research design for quantitative, qualitative, and mixed method research in education. Philosophical foundations, research techniques, and fundamentals of each approach are presented. Basic statistics are reviewed from descriptive to ANOVA. This course is a foundation for all other advanced research courses.
- RSCH 9820 Qualitative Research Methods** 3-0-3
Study and application of qualitative research methodology in educational settings.
- RSCH 9830 Advanced Qualitative Research Methods** 3-0-3
An investigation of advanced approaches to the conceptualization, design, implementation, and representation of qualitative research and their application.

- RSCH 9840 Quantitative Research Methods** 3-0-3
Study and application of quantitative research methodology in educational settings.
- RSCH 9850 Advanced Quantitative Research Methods** 3-0-3
Development of skills to identify an appropriate statistical technique, to interpret results for independent research, and to critically evaluate contemporary social research using advanced quantitative methods.
- RSCH 9860 Advanced Mixed Methods** 3-0-3
Prerequisite: RSCH 9820, RSCH 9840. An investigation of practical and philosophical foundations for the design and implementation of mixed method research.
- RSCH 9870 Dissertation Topic Conceptualization** 3-0-3
Research seminar for the development of the doctoral dissertation topic.
- RSCH 9900 Special Topics in Research Methods** 3-0-3
Advanced study of specific contemporary issues in research. May be repeated under different topics.

SCHC: SCHOOL COUNSELING

- SCHC 7010 Comprehensive Developmental School Counseling** 3-0-3
Development of school counseling programs that establish the school counseling program as an integral component of the academic mission of the school, ensure equitable access to school counseling for all students, identify the knowledge and skills that all students should acquire as a result of P-12 school counseling programs, and ensure that the comprehensive school counseling program is delivered in a systematic fashion to all students.
- SCHS 7120 Academic and Behavioral Assessment** 4-1-4
Prerequisites: A previous graduate assessment course and permission of instructor. Also offered as PSYC 7120. Advanced intensive study of the administration and interpretation of individual academic and behavioral assessment instruments with attention to multimethod, multisource, and multisetting methodologies; emphasis on the measurement of change within individuals and system levels of intervention.
- SCHC 7400 Counseling Theory And Practice** 3-0-3
Also offered as: PSYC 7400. Prerequisite: Admission to Graduate Program in Department. Introduction to major theoretical approaches to counseling and psychotherapy. Theories of personality and the causes of mental illness and emotional distress will be reviewed as frameworks for intervention. Specific case examples will illustrate applications of theory to professional practice.
- SCHC 7420 Counseling Children and Adolescents** 3-0-3
Also offered as PSYC 7420. Prerequisite: SCHC 7400. Theories, methods, and techniques of psychotherapy with children. Emphasis will be placed on a multidimensional view of intervention with children, giving attention to developmental, cognitive, behavioral, affective, organic, educational, social, and environmental issues.
- SCHC 7450 Group Counseling** 3-0-3
Also offered as PSYC 7450. Prerequisite: SCHC 7400. Group dynamics and their importance in the counseling process and counseling outcome are studied. Emphasis is given to the application of various counseling and psychotherapeutic approaches within the group setting.
- SCHC 7470 Counseling Culturally Diverse Populations** 3-0-3
Also offered as PSYC 7470. Prerequisite SCHC 7400. Survey of the cultural context of relationships, issues, and trends in a multicultural and diverse society. Emphasis placed on a knowledge base related to theory, techniques and skills utilized in working with culturally diverse populations.

- SCHC 7800 Orientation to Counseling as a Profession** 2-0-2
Principles, purposes, historic events, issues and trends, societal-legal-ethical issues, and professional identity are studied. Role and function of counselors in diverse settings are identified.
- SCHC 7820 Career Counseling** 3-1-3
Also offered as PSYC 7820. An introduction to the theories of career choice and to human development processes which influence career choice. Emphasis is placed on the nature and use of educational and occupational information in assisting individuals to explore the world of work and develop meaningful career plans. The course includes lab experiences consisting of administering scoring and interpreting career inventories. Students also learn about computer assisted career development including the Georgia Career Information System. Open as an elective to all graduate majors.
- SCHS 7830 Consultation and Advocacy in School Counseling** 3-0-3
Prerequisite 7010. Emphasis is placed on skills and competencies in the areas of consultation and advocacy that allow the student to function effectively as a consultant in the school system and as an advocate for all students.
- SCHC 7870 Student Personnel Service in Higher Education** 3-0-3
Development and organization of student personnel services in institutions of higher learning. The emphasis of the course is upon the philosophy, methods and techniques used in their operation.
- SCHC 7900 Pre-Practicum** 3-0-3
Prerequisite: SCHC 7400 Advanced course in counseling and psychotherapeutic approaches emphasizing skill development. Extensive role playing in dyads and groups will be critiqued. Basic attending, empathy, and relationship skills will be emphasized as well as specific techniques such as desensitization, contracting, and role reversal.
- SCHC 7981 School Counseling Practicum I** 3-0-3
Prerequisite: PSYC 7900.
- SCHC 7991 School Counseling Internship I** 3-0-3
Prerequisite: SCHC 7981 and Graduate Standing.
- SCHC 7992 School Counseling Internship II** 3-0-3
Prerequisite: SCHC 7981 and Graduate Standing.
- SCHC 8150 Behavioral Health Care Systems** 3-1-3
Prerequisite: PSYC 7420 or permission of instructor. Also offered as PSYC 8150. Develops knowledge and skills concerning the behavioral health care of school aged youth with severe emotional disorders, including the conceptual, philosophical, operational, structural and procedural mechanisms commonly associated with system-level service coordination and delivery.
- SCHC 8160 Advanced Practice in Cognitive Behavioral Therapy** 3-0-3
Also offered as PSYC 8160. Prerequisite: SCHC 7400 or PSYC 7400 or equivalent. An in-depth study of counseling theories whereby students develop an advanced level of understanding and skill in cognitive behavioral counseling theories and practice.
- SCHC 8400 Special Topics In Applied Psychology** 1-0-1 to 3-0-3
Prerequisite: Admission to Ed.S. School Counseling and Approval of Instructor. Introduction to current advanced topics within the field of applied psychology. Emphasis will be placed on specific content areas and applications.