

MATH 698 Tutorial (3)

Study of current topics in mathematics as found in research articles or reference texts. Prerequisites: Four of the 600-level graduate mathematics courses required for the MA degree and permission of the department chair. May be repeated if content changes.

Philosophy Courses**PHIL 601 Studies in Normative Problems (3)**

Graduate students desiring to pursue studies in ethical theory, social and political philosophy, aesthetics, or philosophy of law should consult with the chair of the philosophy department. Students may pursue their interests through coursework or through tutorial study.

PHIL 603 Logic, Foundations of Knowledge and Metaphysics (3)

Graduate students desiring to pursue studies in symbolic logic, theory of knowledge, philosophy of history, philosophy of science, philosophy of the social sciences, philosophy of language, philosophy of religion, or metaphysics should consult with the chair of the philosophy department. Students may pursue their interest either through coursework or through tutorial study.

PHIL 605 History of Philosophy (3)

Graduate students desiring to pursue studies in the philosophy of a historical period or in the philosophy of an individual thinker should consult with the chair of the philosophy department. Students may pursue their interest either through coursework or through tutorial study.

Sociology Courses**SOCL 510 Readings in Sociological Theory (3)**

Individualized study consisting of a critical review of major works in sociological theory.

SOCL 520 Readings in Sociological Methods (3)

Individualized study consisting of a critical review of major works in research methods.

SOCL 540 Readings in Urban Sociology (3)

Individualized study consisting of a critical review of major works in the field of sociology.

SOCL 550 Readings in Sociology of the Family (3)

Individualized study consisting of a critical review of major works in the field of sociology of the family.

SOCL 560 Readings: Deviance and Corrections (3)

Individualized study consisting of a critical review of major works in the fields of sociology of deviance and corrections.

SOCL 570 Readings in the Sociology of Education (3)

Individualized study consisting of a critical reviews of major works in the area of sociology of education.

SOCL 600 Readings in Sociology (3)

Individualized study consisting of a critical review of major works in a subfield of sociology.

SOCL 661 Sociology of Human Services (3)

Individualized study consisting of a critical review of human services as social phenomena.

The Crane School of Music

Courses are listed alphabetically by course number within each music concentration area: education, history and literature, performance and theory.

MUAC 630 Production Techniques for Music Theatre (3)

Development of basic skills in music theatre production management. Includes practical hands-on experience working on a Crane School of Music opera production. The course is designed for music performers, as well as music educators.

MUAP XXX Performance Ensembles (1)

By arrangement and/or audition with instructor. Graduate students may enroll for credit in performance groups. Course number varies with type of ensemble.

Music Education Courses**MUCE 501 Curriculum Development in the School Music Program (3)**

Examination of the systematic process of program development. Focus upon the development of general goals, program objectives, and instructional objectives, as well as the design and sequence of musical experiences and materials. Final project involves the development of a program for a specific course of study; school music teachers are encouraged to gear projects toward their own specific teaching situations.

MUCE 505 Action Research (3)

This online course is designed to help school band directors, choir directors, and music teachers learn user-friendly action research techniques to find answers to the nagging problems that plague their music programs.

MUCE 508 Advanced Woodwind Techniques (3)

Performance on each of the primary woodwind instruments – flute, oboe, bassoon, clarinet, alto saxophone. Discussion of pedagogical issues and survey of instructional materials for the school instrumental music teacher. Students should bring a supply of reeds; instruments will be provided.

MUCE 509 Advanced Brass Techniques (3)

Performance on each of the primary brass instruments – trumpet, horn, trombone, euphonium, tuba. Discussion of pedagogical issues and survey of instructional materials for the school instrumental music teacher. Instruments will be provided.

MUCE 520 Topics in Music Technology (3)

A seminar exploring computer, MIDI and Multimedia technology as it might be applied in a music education setting. The hands-on sessions in the Crane MIDI Lab will include the following: use of a generic office software for managing classroom records, tasks and class presentations; MIDI sequencing and auto-accompaniment generating software, and possible uses in music education; utilization of music notation software; introduction to multimedia programming for creating interactive classroom materials; and accessing and creating simple documents for the musical World Wide Web. Although prior knowledge of computer/MIDI technology will be helpful, it is not required.

MUCE 523 Advanced Issues in Music Education (3)

Examination of critical issues which impact music in the schools, including curriculum development, the use of technology in the music class, multicultural music, and classroom management skills. Students will have an opportunity to evaluate instructional techniques and develop program goals for their particular teaching situation.

MUCE 524 Rehearsal Techniques and Repertoire for the Instrumental Ensemble (3)

Examination of methods and materials for the development of the school band or orchestra program. Areas of concentration include score study and analysis, rehearsal procedures, and repertoire.

MUCH 540 Wind Band Literature (3)

An exhaustive survey of the serious wind orchestra literature composed for mixed combination of more than 20 performers from the French Revolution to the present. An overview of the history of wind instruments, reading and listening assignments, and biographical and historical information about each composer and his or her work.

MUCE 541 Marching Band Techniques (3)

This "hands on" course is designed for the teacher with some or no experience with marching band. It will cover such topics as program development, teaching/rehearsal methods, marching fundamentals for parade, traditional style and competitive corps style marching, and an introduction into contemporary computer show design and charting techniques. Basic mouse and Windows skills are a prerequisite. Summer only.

MUCE 550 Global Music Education (3)

This course provides a theoretical, practical, and analytical framework for understanding global music education. We will examine teaching strategies that acknowledge and make constructive use of cultural diversity. Among the topics explored will be various definitions of global music education, teachers' values and behaviors in their work with culturally diverse populations, avoidance of stereotyping, and design of strategies and curricula that address themes of social justice. Format of this course will include a combination of lecture, discussion, workshop activities, and student presentation.

MUCE 601 Philosophy and Issues in Music Education (3)

Survey of educational philosophies which have influenced current thought. Discussion of issues regarding public school music instruction, administration, and supervision including curricular structure and evaluative techniques.

MUCE 602 Developmental Psychology of Music: Implications for Classroom Instruction (3)

Examination of the psychological processes that underlie musical learning. Emphasis given to understanding these processes within a developmental framework. Additional attention given to examining psychological processes involved in listening, performing, and composing/improvising. Both theory and research are examined for classroom application.

MUCE 608 Curriculum Development in the School Music Program (3)

Examination of the systematic process of program development. Focus upon the development of general goals, program objectives, and instructional objectives, as well as the design and sequence of musical experiences and materials. Final project involves the development of a program for a specific course of study; school music teachers are encouraged to gear projects toward their own specific teaching situations.

MUCE 609 Evaluation in Music Education (3)

An investigation of rationales for evaluation, problems facing the evaluator and possible solutions to the problems. Existing methods and instruments for evaluation in music are studied.

MUCE 640 Projects and Readings in Music Education (3)

Practical application of ideas based upon student-selected topics in music education. Includes analysis of readings in music and education generated for the purposes of designing and creating K-12 general music or ensemble learning projects that can be used in personal teaching situations.

MUCE 645 Music in Special Education (3)

Acquaints music education students with the individualized education program (IEP) process, music materials and techniques for teaching special learners in self-contained classrooms or mainstreamed into music classes. Readings, observations, music activities and originally designed materials a part of this class. Fall only.

MUCE 660 Piano Pedagogy and Practicum I (3)

Introduction to the field of piano pedagogy, with an emphasis on teaching beginning piano students. Course topics include career opportunities in piano teaching, survey of early-age, average-age and adult beginning piano methods and repertoire, techniques of group and private piano teaching for beginners, preparing students for recitals, and the application of learning theories to piano teaching. Students gain supervised group and private teaching experience for elementary students.

MUCE 661 Piano Pedagogy and Practicum II (3)

Emphasis on teaching intermediate piano students. Course topics include survey of intermediate-level piano solo and duet repertoire, writing lesson plans and assignments for intermediate students, teaching repertoire, technique and musicianship skills, preparing students for competitions, teaching transfer students, managing an independent piano studio, and resources for piano teachers. Students gain supervised group and private teaching experience for intermediate and/or elementary students.

MUCE 663 Project in Piano Pedagogy (3)

Advanced project in piano pedagogy completed under faculty supervision. Prerequisite: Instructor consent.

MUCE 699 Thesis/Graduate Research Project in Music Education (3)

Completion of a major research project in the field of music or music education. Working with a faculty adviser on a tutorial basis, the student will develop a proposal for a study which must be approved by faculty committee before the student embarks upon the project. The project culminates in the preparation of a written report of the research project (in thesis format) and an oral defense of the report before a faculty committee. The student will register for Thesis/Graduate Research Project each semester that the student is actively working on the project with the assistance of the adviser. A copy of the document becomes part of the College library.

Music History and Literature Courses**MUAH 595 History of Rock Music (3)**

This online course will examine how Rock & Roll both reflected and influenced major social and cultural changes in America and, to a lesser extent, Britain from 1950 to the present. The course will analyze the development, musical structure, composition and form of Rock and Roll. It will also investigate how the music affected and reflected the growing rebellion of youth, the African American struggle for equality, the dramatic population growth and economic changes of post WW II America and England, and our changing cultural, moral and political views over the past fifty years. It will also examine how changes in technology and the music industry have affected our society.

MUAH 650 Women in Music (3)

History of women in music, including teachers, administrators, and patrons, as well as composers, performers, and conductors from ancient Greece to the present.

MUCH 604 Music of the Nineteenth Century (3)

Examination of the principal composers and musical repertoire of the Romantic period, including the influence of contemporary philosophy, literature, and social climate upon 19th century musical life.

MUCH 605 The German Lied (3)

Development of the German Lied from Reichardt to Webern. Style characteristics of the major exponents of the German Lied with emphasis on the interrelationship among poetic scansion, literary content, and musical analysis.

MUCH 611 Introduction to Graduate Study (3)

Survey of bibliographic and resource materials in music, education, and music education. Examination of basic research methodologies, techniques and procedures and their practical applications. Core course for all Master of Music degrees.

MUCH 614 Symphonic Literature (3)

Examination of symphonic works in the standard repertoire. Emphasis will be placed upon the aesthetic, stylistic, and historical aspects of the literature.

MUCH 621, 622, 623 Seminar in Music History and Literature I, II, III (3)

Achievement in and knowledge of essential materials for a comprehensive study of the fields inherent in musicology. Consideration of such topics as: stylistic development within historical periods and among salient composers; problems of notation and its growth.

MUCH 624 Music of the Nineteenth Century (3)

Music literature from Beethoven to Debussy. Consideration of stylistic and formal elements together with aesthetic principles and historical perspectives.

MUCH 638 Music in America (3)

Survey of the variety of musical experiences in the United States, including Native-American music, early American psalmody, and the respective developments leading to jazz and the commercial genres. Special emphasis will be given to major movements and composers of the cultivated tradition and the avant-garde.

MUCH 641 J. S. Bach (3)

Examination of the music of Johann Sebastian Bach. Historical and biographical factors which influenced Bach's composition will receive major consideration. Class performance will be included.

MUCH 695 Special Topics 1-12 (3)

A study of the life and works of Brahms, that focuses on his stylistic development and uniquely successful combination of characteristics from the Baroque, Classic, and Romantic Periods, which in turn became the point of departure for twentieth century composers like Schoenberg.

MUCH 695 Post-Romantic Music (3)

European art music and its cultural context at the turn of the twentieth century.

MUCT 695 History of Theory/MUCH 695: History of Theory (3)

This online course traces the historical origins and/or development of these fundamental concepts in music theory: staff notation, solfege as a pedagogical tool, time signatures, the major/minor scale system, chromatic notes, triads and inversions, and Roman numeral analysis. The readings for the course will consist of select passages from the treatises in which theorists first formulated these ideas, as well as some secondary literature. Students will read core literature, answer questions about those readings, participate in topical discussion groups, summarize in writing two non-core research articles, and write a term paper.

MUCH 670 Post-Romantic Music: 1870-1914 (3)

European art music and its cultural content at the turn of the twentieth century. Emphasis on the stylistic features and aesthetics that informed late-romanticism, impressionism, exoticism, expressionism and primitivism. Listening, analysis, papers, presentations required. Prerequisites: MUCB 402, 456, 301 and 312.

Music Performance Courses**MUCP 518 Vocal Coaching (1)**

Coaching for advanced vocal students. In-depth musical work on interpretation and performance of Vocal repertoire.

MUCP 541 Advanced Conducting (2)

Study of advanced conducting problems. Special emphasis on 20th century works and recitatives.

MUCP 603 Music Theater Performance I (3)**MUCP 630 Opera Production Workshop (3)**

Scene and costume construction directed and supervised by the instructor and professional technical staff. One full production of an opera, operetta or musical comedy is undertaken each semester.

MUCP 640 Literature and Pedagogy (2)

Etude and solo literature in the student's major performing medium; study and discussion of teaching methods and strategies appropriate for the medium.

MUCP 648 Flute Orchestral Studies (3)

Study of ensemble concepts and major flute and piccolo excerpts from the orchestral literature through the study of complete parts, scores, and recordings. Orchestral routine and the responsibility of each section member will be discussed. Some memorization of materials is required. Designed for flute students pursuing the MM degree in Performance.

MUCP 681 Chamber Music (1)

Study and rehearsal of representative chamber works in the student's major performance medium under the guidance of an instructor.

MUCS 610 Performance Concentration (1)**MUCS 620 Performance Concentration (2)****MUCS 630 Performance Concentration (3)**

Private studio instruction on student's principal performance medium. Prerequisites: availability and consent of instructor.

Music Theory Courses**MUCT 514 Modal Counterpoint (3)**

Materials of 16th century vocal polyphony examined from three sides: appreciation, performance, creativity. Study of sacred and secular music literature of the period. Composition motets and madrigals for two, three, four and/or five voice parts.

MUCT 515 Tonal Counterpoint (3)

Contrapuntal music of the Baroque era with emphasis on works of J. S. Bach. Study of two- and three-voice counterpoint, invention, forms based on chorale, invertible counterpoint and fugue.

MUCT 517 Analytical Techniques (3)

Study of selected analytical approaches to tonal music, including issues of form, harmony, and style.

MUCT 520 Theory and Analysis of Twentieth Century Music (3)

Study of selected analytical approaches to 20th century music, including pitch-class, set theory and twelve-tone (serial theory).

MUCT 521 Orchestration (3)

Techniques of orchestration for various instrumental ensembles at an advanced level culminating in the scoring of a work for full symphony orchestra.

MUCT 601, 602, 603 Composition I, II, III (3)

Application of devices and techniques used in contemporary composition. Work in larger homophonic, contrapuntal, and symphonic forms.

MUCT 611, 612, 613 Electronic Composition I, II, III (3)

Study of, and experience in, the art of composing with electronically-generated sound. Examination of major works in the repertoire. Working independently, students will create their own electronic compositions.

MUCT 695 History of Theory/MUCH 695 History of Theory (3)

This online course traces the historical origins and/or development of these fundamental concepts in music theory: staff notation, solfege as a pedagogical tool, time signatures, the major/minor scale system, chromatic notes, triads and inversions, and Roman numeral analysis. The readings for the course will consist of select passages from the treatises in which theorists first formulated these ideas, as well as some secondary literature. Students will read core literature, answer questions about those readings, participate in topical discussion groups, summarize in writing two non-core research articles, and write a term paper.

MUCT 697 Thesis in Music Composition (3)

Extended original composition with an accompanying analytical paper, developed with approval of the student's adviser and a guidance committee. A performance is suggested.

MUCT 699 Thesis in Music Theory (3)

Detailed stylistic analysis of a major composition, developed with approval of the student's adviser and a guidance committee.

School of Education and Professional Studies

Courses are listed alphabetically by course prefix: GRDG (literacy), GRED (education), HLTH (community health), IT (information and communication technology), and SPED (special education). Where possible, the academic term the course is generally taught has been provided. For courses where no specific term of teaching is provided, students should contact the chair of the department, the Office of Graduate Studies or their adviser for guidance.

Literacy Courses (GRDG)

GRDG 595L Special Topics (1-6)

Workshops, seminars and/or institutes designed to meet special needs of teachers, or others interested in initial graduate-level study in the field. Offerings available upon announcement by the School of Education and Professional Studies. Credit earned may be applied, under advisement, as electives in Master of Science in Education/Master of Science in Teaching degree programs.

GRDG 600 Foundations of Literacy (3)

This course surveys the history of literacy and theoretical foundations of literacy education. Students will examine the ideological underpinnings of varied approaches to teaching literacy including the teaching of reading, language arts, writing and media. Landmark research of literacy education will be studied in historical contexts and in conjunction with major theories of language development, cognition, and literacy acquisition.

GRDG 605 Literacy Assessment and Evaluation (3)

This course includes in-depth study of individual and group techniques for literacy assessment and evaluation of children (B-12). Theoretical understanding and assessment of the literacy process will be developed through readings, class discussions, demonstrations and case studies. Students will gain experience in the administration and interpretation of a variety of formal and informal assessment tools, culminating in written literacy assessment reports.

GRDG 610 Seminar: Literacy Research (3)

The purpose of this seminar is to acquaint students with research methods and current topics, studies and writings in the area of literacy. The objectives of this course include preparing students to be consumers of literacy research and enhance their ability to find information, studies,

and data in a variety of research journals and texts both on-line and in hardcopy. Students will explore a wide range of current literacy topics and make reports, presentations and demonstrations throughout the course.

GRDG 615 Literacy: Family/School/Community Collaboration (3)

In this course students examine the role that community and family literacy programs, and parent-school partnerships have played in the literacy development and education of children. Students will evaluate practices of these social institutions and their effectiveness in light of current research concerning literacy education and diverse families and communities. Students will discuss current practices and future trends of collaboration between diverse literacy models of development of schools, families, and communities to support children's literacy development.

GRDG 620 Literacy and Linguistically Diverse Learners (3)

This course explores the many challenges to literacy achievement that confront linguistically diverse learners (speakers of non-standard English varieties and English speakers of other languages). From a contemporary perspective, the course examines the characteristics of linguistically diverse learners in B-12 classrooms and focuses on instructional responses that foster literacy competencies and achievement in school.

GRDG 625 Using Technology to Teach Literacy (3)

This course involves a case-based approach to teaching literacy and the use of technology in literacy education. Authentic literacy situations are presented to the students for observation and analysis. Applications of software and the Internet are created by students for enhancing literacy instruction. Samples of classroom work and a variety of assessment records form an important part of this course in order to present a comprehensive picture of literacy development and needs among children with a range of abilities. Based on cumulative records, current assessment, classroom work and multi-media cases, students will gain insight into instructional decision-making with technology for the purpose of enhancing literacy abilities among children.

GRDG 638 Teaching Reading for Students with Special Needs (3)

The purpose of this course is to prepare preservice and inservice special education teachers with theoretical frameworks and practical applications of assessment and intervention strategies in literacy (P-12). The course includes frameworks and philosophies of assessment and intervention strategies in early childhood through adolescent literacy. Students will explore assessment and intervention methods and activities that can be used to assist and enhance literacy abilities of students with varying abilities.

GRDG 640 Literature-based Literacy Instruction (3)

Selected examples of children's and young adult literature are utilized in demonstrating methods of developing literacy using a literature based approach. Special emphasis is placed on the use of such materials for enriching classroom literacy programs, individualizing student literacy development, and designing literacy intervention programs. This course involves extensive reading of literature, developing of strategies for teaching reading, writing, speaking, and listening through the use of literature, and focusing curricula development to represent the multiple levels, broad interests, cultural and linguistic backgrounds of all learners B-12. MSED Literacy students only.

GRDG 655 Literacy Intervention Strategies Birth-6 (3)

The purpose of this course is to prepare preservice and inservice teachers with theoretical frameworks and practical applications of appropriate intervention strategies in literacy (B-6). The course includes frameworks and philosophies of intervention strategies in early childhood and childhood literacy. A repertoire of methods and activities will be used to assist and enhance literacy abilities among children and will culminate in student-created programs of age- and grade-appropriate literacy intervention strategies. A central theme of this course will be to match appropriate instruction with assessed literacy difficulties.