

INTERDISCIPLINARY GRADUATE CERTIFICATE IN UNIVERSITY TEACHING Course Options

A total of 9 credits must be completed in at least three of four areas; Teaching Strategies, Student Learning/Assessment of the Learning Environment, Technology to Support Teaching & Learning, and Professional Development of the Academy.

Courses in addition to those listed below must be approved by the Graduate School prior to use for certificate requirements. Refer to the certificate information for details on how to propose alternate courses.

Teaching Strategies

AESC 6920 Service Learning 1-3 hrs.

Student will engage in a community-based activity that will include application of knowledge, development of skills, and systematic reflection on the experience.

EADU 8180 Feminist Pedagogy 3 hrs.

An examination of the major feminist theories discussed in contemporary literature in relation to educational structures and processes. Includes feminist analyses of education, theories of feminist pedagogy, impact of positionality on teaching and learning, and women's learning and development.

ELAN 7769 International Graduate Internship II 1-3 hrs.

Provides international graduate teaching assistants with knowledge of pedagogical approaches and available support systems. The course focuses on English language for the classroom and cultural aspects of teaching with emphasis on presentation skills and audience awareness.

ENGL 6910 Apprenticeship in College English 1 hr.

An apprenticeship in the teaching of freshman composition and of sophomore literature.

ENGL 6911 Practicum in Teaching College Composition 3 hrs.

Prereq: ENGL 6910

Provides intensive training in composition pedagogy. Topics include effective student conferences, grading strategies, writing workshop and peer editing techniques, revision, and topic development. Considers the different demands of teaching composition in an expository writing class and a literature-based writing class.

EPSY 8750 Practicum in College Teaching 1-3 hrs

Supervised practice in teaching at the college level. Students will develop skills in course organization, resource identification, lesson planning and delivery, student assessment, and techniques for course improvement

Teaching Strategies (Cont'd)

ESOC 5010/7010 Teaching of Geography 3 hrs.

Geographic principles and the history of geography in the school curriculum; the literature of the field, including textbooks; the application of special techniques; and geographic evaluation.

ESOC 5200/7200 Economic Education in the Social Science Curriculum 3 hrs.

Instructional strategies and materials for teaching basic economic concepts in an integrated kindergarten through grade 12 social science curriculum, with emphasis on utilizing a decision-making model for analyzing contemporary economic problems.

ESOC 5520/7520 Teaching Politics, Government, and Citizenship 3 hrs.

Rationale for and resources in political science and civic/citizenship education, the role of teachers and school in political socialization, and teaching procedures for instruction on state and local citizenship in middle grades and high schools.

ESOC 4150/6150 Teaching United States History 3 hrs.

Classic historiography and current debates among historians over major themes and events in United States history. Examination of ways in which this historical scholarship can be incorporated into social studies teaching. Evaluation of materials and methods used to teach United States history in secondary and middle schools.

FANR 9990 Supervised Professional Practicum in Forestry and Natural Resources 1-10 hrs.

University-level teaching, including the presentation of lectures and/or laboratory sessions under faculty supervision, at the doctoral level.

GENE 7360 Teaching Internship in Genetics 2 hrs.

Classroom teaching experience in undergraduate courses for senior graduate students under the direct supervision of a faculty member.

GRMN 7500 Teaching College German 3 hrs.

Methods for teaching foreign language and development of language skills in German. For teaching assistants in German and graduate students in German and Language Education. Taught in English. (Requires proficiency in German.)

GRSC 7700 Graduate Seminar 1-3 hrs.

Provides graduate teaching assistants with knowledge of pedagogical approaches and available support systems. Special sections are reserved for international students, with focus on use of language, pedagogy, and cultural aspects of teaching in this country.

MARS 7360. Teaching Internship in Marine Sciences 1-2 hrs.

Classroom teaching experience in undergraduate courses under the direct supervision of a faculty member.

Teaching Strategies (Cont'd)

PBIO 7360 Teaching Internship in Biological Sciences 1-2 hrs.

Program provides opportunities for senior graduate students to obtain mentored, documented experience in preparing and delivering lectures and/or in leading class discussions.

PBIO 7510 Special Teaching Projects In Plant Biology 1-3 hrs

Provides graduate students with an opportunity to enhance their teaching experience in initiating and conducting independent projects.

PBIO(BIOL) 8010. 1 hr Seminar in Teaching Biology 1 hr

Designed for graduate students and post-docs interested in learning how to teach biology effectively in their own courses rather than as teaching assistants.

PHIL 7010 Teaching Philosophy 1 hr.

Material, techniques, and objectives for teaching undergraduate courses in philosophy. Particular attention to presenting lectures, leading discussions, constructing examinations, and instructional evaluations. (Not open to all disciplines.)

RELI 7771 Teaching Religious Studies. 3 hrs.

Prereq: RELI 7770

Materials, techniques, and objectives for teaching introductory undergraduate courses in religious studies. Particular attention given to presenting lectures, leading discussions, constructing examinations, incorporating instructional technology, and dealing with issues of classroom management.

SOWK 8227 Social Work Education. 3 hrs.

Overview of social work education, including the structure of the educational continuum, foundation and concentration courses, accreditation standards and issues. Preparation for effective teaching within social work and degree programs, including syllabi development, assessment of student learning, instructional methods, grading and ethical issues.

WIPP 7001 Pedagogy of Writing in the Disciplines 1-3 hrs

Theory and practice of teaching writing in the disciplines.

Student Learning/Assessment of the Learning Environment

EADU 7020 Adult Learning and Instruction 3 hrs.

Learning theories, models, and principles and their application to the instructional process with adults.

Student Learning/Assessment of the Learning Environment (Cont'd)

EADU 7030 Program Development and Adult Education 3 hrs.

Guided study and practice in developing educational programs for adults in colleges, public schools, and other institutions. Includes identifying needs, establishing objectives, and critically designing and evaluating programs in adult education.

EADU 8050 Multicultural Issues in Adult Education 3 hrs.

Cultural (racial, ethnic, linguistic) diversity in the adult educational context. Topics include cultural self-awareness, demographic changes and projections, problems/issues in inter-cultural educational settings, theoretical perspectives of multicultural adult education, practical problems and related strategies in handling diversity in adult education settings.

EADU 8090 Adult Development and Instruction 3 hrs.

Adult developmental psychology, including the nature of adult development; issues and trends in the field; theories of adult growth and development; changes in young, middle and older adulthood; and implications for instruction and learning of adults.

EADU 9020 Adult Learning Theory and Research 3 hrs.

Research and theory in adult learning, including social and psychological aspects of adult learning, participation and motivation, self-directed learning, transformative learning, and recent theoretical perspectives.

EDAP 8090 Instructional Development 4 hrs.

Prereq: EDAP 7020 or EDAP 7070

The nature of classroom instruction, key elements of the instructional process, organizing operations, skills for supervising and evaluating instruction, and the role of the school administrator in instructional development.

EDHI 8600 Assessment in Higher Education 3 hrs.

Methods and techniques used in assessing educational outcomes in colleges and universities. Analysis and interpretation of problems, issues, and concerns involved in public demands for assessment and accountability.

EDIT 4170/6170 Instructional Design 3 hrs.

Systematic procedures for designing, developing, evaluating, and revising instruction to meet identified goals and objectives.

EPSY 6800 Foundations of Cognition for Education. 3 hrs.

Cognitive psychology as applied to education. Cognitive theories, models, and processes are applied to the teaching and learning of school skills and content areas. Processes such as attention, critical thinking, concept formation, language, memory, and problem solving are examined. Cognitive psychology principles are used to examine and refine instructional methods.

Student Learning/Assessment of the Learning Environment (Cont'd)

GRSC 7800 College Teaching and Student Learning 3 hrs.

This interdisciplinary course focuses on how undergraduates learn. Participants will learn a variety of factors that influence teaching and learning in an attempt to discover and define what it means to be an effective college teacher, and will also discuss theory, techniques, and strategies for helping undergraduates become active learners.

Technology to Support Teaching and Learning

EDHI 9040 Using Technology in College Classroom 3 hrs.

Uses of technology when applied to college level instruction. Using e-mail, multi-media, distance learning, and other emerging tools to enhance student learning in higher education.

EDIT 4150/6150 Introduction to Computer-Based Education 3 hrs.

The computer, modern technology, and its educational applications. Computer-based education in the areas of instruction, technology integration, multimedia, and new designs for teaching and learning. Philosophical perspectives on the role of modern technology in education.

EDIT 5500/7500 Technology-Enhanced Classroom Environments 3 hrs.

Design and creation of technology-enhanced classroom environments. Examines role of current and emerging technologies in the classroom.

EDIT 6100 Introduction to Instructional Technology 3 hrs

The field of instructional technology, situating the field within the context of its historical perspective, current practices, and future directions.

EDIT 6200 Learning Environments Design I 3 hrs.

Prereq: EDIT 4170/6170 and EDIT 6190

Instructional design, learning theory, project management, and evaluation of designing interactive learning environments for education and training. Students and faculty work in teams to produce interactive multimedia, electronic performance support systems, internet resources, and other evolving forms of technology-enhanced learning environments.

EDIT 6210 Learning Environments Design II 3 hrs.

Prereq: EDIT 6200

Contemporary learning theories of the design of interactive environments for information retrieval, learning, and performance support. Students and faculty work in teams to produce hypertext, hypermedia, micro worlds, simulations, games, virtual learning environments, and other examples of interactive environments.

Technology to Support Teaching and Learning (Cont'd)

EDIT 6400 Emerging Approaches in Teaching, Learning and Technology 3 hrs.
Teaching, learning, and performing, and the ways technological environments can be designed to support these approaches. Describes the theoretical and research foundations of these approaches, and demonstrates varied uses of technology.

EDIT 7520 Distance Learning and Telecommunications 3 hrs.
Distance learning and telecommunications in the United States and the world, covering history, research, technology, uses, and policy issues; development of appropriate educational applications.

GRMN 7600 Teaching with Technology 3 hrs.
Professional development in language pedagogy with a focus on enhancing teaching through technology. Assessment of how technologies can enrich student learning and be effectively integrated into syllabi and curricula.

Professional Development for the Academy

EADU 7650 Applied Project in Adult Education 3 hrs.
Integration of adult education theory and practice in applied project significantly related to the student's professional goals. Focus is on critical reflection in practice.

EADU 8020 Adult Education in Social Context 3 hrs.
The social context of adult education, including race, class, and gender analyses, and the role of adult education in society. Relevant historical, sociological, political, and economic factors that influence adult education theory and practice.

EDHI 9010. Academic Programs in Higher Education 3 hrs.
General education and specialization in undergraduate education. Curricular trends, contemporary practices, persistent challenges, and external influences in the development of courses and programs in higher education.

EDHI 9030 Instructional Processes in Higher Education 3 hrs.
Major instructional practices in higher education, including establishing course goals and objectives, selecting appropriate teaching methods, and evaluating learning outcomes.

EDHI 9050 Organization and Governance in Higher Education 3 hrs.
Organization and governance in higher education, with special attention to the diversity of institutional types, relevant organizational theory, and the nature of change in colleges and universities.

Professional Development for the Academy (Cont'd)

EDHI 9100 The American Professoriate 2 hrs.

Nature of the American professoriate by way of historical, scholarly, popular, and contemporary perspectives. The transition of new faculty members from graduate school to the initial academic appointment.

FANR 9995 Development of College Teaching Skills 3 hrs.

Students review teaching credentials and their importance in hiring and promotion, review pedagogical approaches for various course types, develop instructional materials, practice teaching, and develop a teaching portfolio.

GRSC 7900 Designing Courses for Significant Learning 3 hrs.

The purpose of this interdisciplinary course is to give graduate students a foundation in course design, grounded in strong pedagogical theory. Students will design or redesign a course in its entirety, beginning with their goals for their students and working backward through assessment to teaching and learning activities.

PSYC 8000 Professional Development 3 hrs

Facilitate transition of graduate students to faculty positions. Practical and theoretical aspects of professional development, including ethical considerations. Current issues and changes in higher education environment

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