

ADDENDUM I

Graduate Studies Committee

April 1, 2008

- BsysE/C E 555** **Natural Treatment Systems**[crosslist change BsysE to parent] Prereq senior or graduate standing. Principles and design procedures of natural systems for wastewater treatment for agricultural and non-agricultural applications.
- Com 514** **Health Communication Theories and Campaigns** [new course]
Examination of health communication theories with a focus on campaign construction and evaluation.
- Com 550** **Media Processes and Effects: Theory and Practice** [new course] Focus on physiological, psychological and social effects of media messages and technologies upon individuals and societies.
- CptS 540** **Artificial Intelligence** [new course conjoint] Prereq Cpt S 122; Math 212 or 360. An introduction to the field of artificial intelligence including heuristic search, knowledge representation, deduction, uncertainty reasoning, learning, and symbolic programming languages. Graduate – level counter part of CptS 440; additional requirements. Credit not granted for both CptS 440 and 540.
- Desgn 561** **Seminar in Design Thinking** [new course] This seminar is devoted to discussing and understanding what is referred to as ‘design thinking’ or ‘design knowing,’ and translating appropriate research and theory into practice.
- Desgn 563** **Directed Readings** [new course] Advanced critical and comprehensive reviews of the literature pertinent to student’s area of interdisciplinary focus; development of specialization and expertise with regards to critical evaluation and synthesis in identified area.
- Desgn 564** **Design Research Methods** [new course] The purpose of this seminar is to guide doctoral students in the development and preparation of their research proposals, including identification of theories, exploration of research methods and strategies, and development of thesis statement and literature review.
- Desgn 565** **Dissertation Proposal Preparation** [new course] The purpose of this course is to write the research proposal to be presented to prospective doctoral committee members. Each student is expected to work independently to develop a proposal based on the work of Desgn 564 Design Research Seminar.

Desgn 590	Teaching Practicum [new course] Supervised teaching experience integrating application of design knowledge and approaches.
Engl 554	History of the English Language [conjoint] Language related to the origin, history, and literature of its speakers. Graduate-level counterpart of Engl 454; additional requirements. Credit not granted for Engl 454 and 554.
Engl 584	English Literature of the 16th Century [conjoint] Nondramatic literature of English Renaissance, including More, Wyatt, Sidney, Spenser, Raleigh, and Shakespeare, in age of Humanism and Reformation. Graduate-level counterpart of Engl 484; additional requirements. Credit not granted for Engl 484 and 584.
Hist 561	Field course in Early Modern European History [new course repeat credit cum max 6] Readings and interpretive problems in early modern European history 1450-1750.
Mech 538	Microrfabrication Technology [change description, prereqs and lecture lab ratio from 3 (2-3) to 3] Microelectronic fabrication technology, semiconductor materials, diffusion, thermal oxidation, ion implantation, lithography, etching, thin film deposition, CMOS integration, fundamentals of MEMS.
Mech 542	Advanced Thermal Systems [new course] Analysis and design of advanced thermal systems at macro, mini, and micro scale, apply design software packages, perform design projects.
Mech 589	Material Failure in Mechanical Design [new course] Analysis, design, and prevention from failure of materials in mechanical design; mechanical behavior of materials such as fatigue, fracture and wear.
Phil 508	Critical Theory and Continental Aesthetics [temporary course crosslist] Examination and analysis of principal texts and strategies of critical theory and continental aesthetics from Kant to Zizek.
Pol S 537	Concepts and Methods in Comparative Politics [repeat credit cum max 6] Selected concepts (state, political participation), and methods (cross-national analysis, case study approaches) in comparative politics.
Soils/ES/RP 568	ArcGIS and Geospatial Analysis B [crosslist with existing ES/RP 568] Rec DOS knowledge. Graduate-level counterpart of ES/RP 486; additional requirements. Credit not granted for both ES/RP 486 and 586.

T & L 569

Critical Analysis of Children's and Young Adult Literature [new course] Critical multicultural analysis of children's and adolescent literature and its pedagogical and sociopolitical implications and possibilities.

T & L 570

Theory and Research in Electronic Literacies [new course] Development of ideas of literacy and effects of technology on literacy and policy, particularly those issues addressing diverse learners.