

Approved by Faculty Senate 3/5/09

**GRADUATE MAJOR CHANGE BULLETIN NO. 2
Spring 2009**

The requirements and courses listed below reflect the graduate major curricular changes approved by the Catalog Subcommittee and the Graduate Studies Committee since approval of the last Graduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Proposed and Current, respectively. The column to the far right indicates the date each change becomes effective.

Prefix	Course Number	New Revise Drop	Current	Proposed	Effective Date
Desgn	561	New	-- N/A --	Seminar in Design Thinking 3 Prereq doctoral standing. Understanding "design thinking" or "design knowing" and translating research and theory into practice.	8-09
Desgn	563	New	-- N/A --	Directed Readings 3 Prereq Desgn 562. Advanced critical and comprehensive reviews of literature pertinent to student's focus area; development of specialization and expertise in identified area.	8-09
Desgn	564	New	-- N/A --	Design Research Methods 4 Prereq c// in Desgn 565. Development and preparation of research proposals; identification of theories, exploration of research methods and strategies; development of thesis statement and literature review.	8-09
Desgn	590	New	-- N/A --	Teaching Practicum V 1-3 May be repeated for credit; cumulative maximum 6 hours. Prereq doctoral standing. Supervised teaching experience integrating application of design knowledge and approaches.	8-09
ES/RP	586	Revise	Introduction to Geographic Information Systems 4 (2-6) Ree DOS knowledge. Graduate level counterpart of ES/RP 486; additional requirements. Credit not granted for both ES/RP 486 and 586.	ArcGIS and Geospatial Analysis 4 (2-6) <u>Same as SoilS 568.</u>	8-09
Mech	538	New	-- N/A --	Microfabrication Technology 3	8-09

				Graduate-level counterpart of Mech 438; additional requirements. Credit not granted for both Mech 438 and 538.	
Mech	542	New	-- N/A --	Advanced Thermal Systems 3 Graduate-level counterpart of Mech 442; additional requirements. Credit not granted for both Mech 442 and 542.	8-09
Mech	589	New	-- N/A --	Material Failure in Mechanical Design 3 Graduate-level counterpart of Mech 489; additional requirements. Credit not granted for both Mech 489 and 589.	8-09
Soils	568	New	-- N/A --	ArcGIS and Geospatial Analysis 4 (2-6) Graduate-level counterpart of Soils 486; additional requirements. Credit not granted for both Soils 468 and 568.	8-09