CMSC 301 INTRO TO DISCRETE STRUCTURES
11989 001 (3) Jun 17 – Aug 7 (8 weeks)
MW 0800PM – 0840PM
ENGRB 0301
CHEUNG, C
Prerequisites: CMSC 255 with a grade of "C" or better and MATH 211 with a grade of "C" or better. A continuation of MATH 211. Recursion and induction. Operations on sets and relations. Formal languages with an emphasis on finite state automata and grammars. Monoids and graphs (trees in particular). Elementary combinatorics and advanced Boolean algebra.

CMSC 697 DIRECTED RESEARCH
10089 001 (1) May 20 – Aug 16 (13 weeks)
TBA
STAFF

CMSC 698 THESIS
10375 001 (1) May 20 – Aug 16 (13 weeks)
TBA
STAFF

CMSC 698 THESIS
10376 002 (2) May 20 – Aug 16 (13 weeks)
TBA
STAFF

CMSC 699 THESIS
10377 003 (3) May 20 – Aug 16 (13 weeks)
TBA
STAFF

Prerequisite: Graduate standing. Independent research culminating in the writing of the required thesis. Grade of "S," "U" or "F" may be assigned in this course.

Biomedical Engineering

EGRB 491 SP TOP
BME DESIGN I
11950 001 (3) May 29 – Jul 17 (8 weeks)
TBA
SCHOOL OF ENGINEERING STUDENTS ONLY

EGRB 491 SP TOP
BME DESIGN II
11961 002 (3) May 29 – Jul 17 (8 weeks)
TBA
SCHOOL OF ENGINEERING STUDENTS ONLY

EGRB 697 DIRECTED RES IN BIOMEDICAL EGR
10481 801 (V 1-15) May 20 – Aug 16 (13 weeks)
TBA
STAFF

Research leading to the M.S. degree or elective research projects for other students.

Electrical Engineering

EGR 491 SP TO
ACTIVE SYSTEM AREA NW
10482 001 (3) May 20 – Aug 16 (13 weeks)
TBA
HUGHES, E
CO/PREREQUISITE REQUIRED
LINEAR NETWORK ANALYSIS
10486 002 (3) May 20 – Aug 16 (13 weeks)
TBA
PEARSON, R

Advanced study of a selected topic in electrical engineering.

Mechanical Engineering

EGRM 201 DYNAMICS AND KINEMATICS
12000 001 (3) Jun 24 – Jul 25 (6 weeks)
MTWR 0900PM – 0930PM
ENGRB 0401
HARAN, S
CO/PREREQUISITE REQUIRED
SCHOOL OF ENGINEERING STUDENTS ONLY


EGRM 202 MECHANICS OF DEFORMABLES
10494 001 (3) Jun 24 – Jul 25 (6 weeks)
MTWR 0900AM – 1015AM
ENGRB 0401
HARAN, S
CO/PREREQUISITE REQUIRED
SCHOOL OF ENGINEERING STUDENTS ONLY

Prerequisites: ENGR 102, MATH 200-201. An introductory course covering the mechanics of deformable solids. Subjects include stress, strain and constitutive relations; bending of beams; torsion; shearing; deflection of beams; column buckling; fatigue; failure theory; analysis and design of bar-type members.

Engineering

ENGR 102 ENGINEERING STATICS
11999 001 (3) Jun 24 – Jul 25 (6 weeks)
MTWR 1000AM – 1245PM
ENGRB 0401
HARAN, S
CO/PREREQUISITE REQUIRED
SCHOOL OF ENGINEERING STUDENTS ONLY

Prerequisites: MATH 200, ENGR 115. Corequisites: PHYS 207, MATH 201. The theory and application of engineering mechanics applied to the design and analysis of rigid structures. Equilibrium of two and three dimensional bodies. The study of forces and their effects. Applications to engineering systems.
GRAD 606 INDEPENDENT STUDY IN ENGINEERING
10574 005 (3) May 20 – Aug 16 (13 weeks)
TBA
CHEN, R

Prerequisite: Permission of the instructor. Students must submit a written proposal to be approved by the supervising instructor prior to registration. Investigation of specialized engineering problems that are multidisciplinary or of general interest through literature search, mathematical analysis, computer simulation, and/or laboratory experimentation. Written and oral progress reports as well as a final report and presentation are required. Grade option: P/F or normal letter grading. Option will be established by the instructor.

ENGR 697 DIRECTED RESEARCH
10578 006 (V 1-9) Jun 24 – Jul 25 (5 weeks)
TBA
STAFF

Research directed towards completion of the requirements for M.S. and Ph.D. Engineering degrees under the direction of engineering faculty and an advisory committee.

Enrollment for Graduate Studies

ENGR 491 SP TOP

ENGR 602 SEM: COLLEGE TEACHING
12134 001 (1) May 20 – Jun 20 (5 weeks)
MWF 0900AM – 1200PM BUSNS 2114
WERGIN, J

Graduate students only

This short course will focus specifically on the act of teaching. Graduate education in this country has only recently begun to address college teaching issues. While mastery of the discipline and of the research skills necessary to contribute to that discipline have long been a staple of graduate training, mastery of the knowledge and skills necessary for teaching the discipline are often neglected.

ENGR 604 SEM IN TEACHING THE PROFESSIONS
12135 001 (1) Jun 3 – Jun 7 (1 week)
MWF 0900AM – 1200PM BUSNS 2114
WERGIN, J

Graduate students only

Prerequisites: GRAD 605 and 906. Designed for students planning to enter careers as faculty in professional schools. Covers the pedagogical methods common to the professions but distinct from liberal arts disciplines. Topics include: teaching and learning professional expertise; teaching styles appropriate to clinical, field or studio settings; and evaluating students’ professional skills. Students must be within three years of receiving a terminal degree.

ENGR 606 INTERNSHIP: COLLEGE TEACHING
12138 001 (1) May 20 – Aug 16 (13 weeks)
TBA
WERGIN, J

Graduate students only CPREREQUISITE REQUIRED

Prerequisite: GRAD 605. Provides graduate students an opportunity to gain experience and practice in clinical/field/studio instruction, under the tutelage of a senior faculty mentor. This course will be taken in lieu of the current GRAD 603 Internship in College Teaching, which is intended primarily for future faculty aiming for careers in the liberal arts and sciences. To qualify, future faculty must have completed GRAD 601–605 successfully. Students will be assigned to a faculty mentor and the two will negotiate a learning plan based upon the future faculty member’s career goals. Assigned responsibilities might include “shadowing” the mentor as he/she performs daily professional tasks; taking on certain instructional responsibilities with supervision; engaging in professional service; or collaborating on research projects with instructional potential. Whatever the negotiated work turns out to be, the future faculty member will take on the role of “junior colleague” and not “teaching assistant” or “graduate assistant.” The program director will monitor all learning plans for adherence to this general standard.

GRAD 606 is meant to replace GRAD 603 if a student is pursuing the PRP course certificate. Graded as pass/fail.

Enrollment for Social Work

SLWK 201 INTRODUCTION TO SOCIAL WORK
11671 901 (3) May 20 – Jun 7 (3 weeks)
MT WRF 0900AM – 1200PM BUSNS 1108
FAURI, D

Systematic overview of the social work profession. Begins the process of professional socialization, both through class content and required service experience. Knowledge of the nature of social work, the fields of social work practice, target populations, and core of social work methods.

SLWK 230 COMMUNICATION IN HELPING PROGRESS
11673 901 (3) May 29 – Jul 17 (8 weeks)
MW 0800PM – 0840PM BUSNS 116B
WERGIN, J

The study of the knowledge, skills and values of effective human communication and interpersonal relations. Includes observation, collection and description of data, verbal and nonverbal communication and the relevance of the above to social work practice. Integrates issues of human diversity in all course content. Emphasizes the demonstration and practice of communication through structured exercises.

SLWK 232 SW PRAC: FUNDAMENTALS
11672 001 (3) May 28 – Jul 18 (8 weeks)
MT 0100PM – 0340PM RLEGH 8-01
FABLO

Prerequisites: SLWK 313. Corequisite: SLWK 303. Open only to social work majors with junior status. First of three semester practice sequence. Introduces students to basic concepts and skills of beginning level professional generalist social work practice. Emphasizes application of concepts to the concurrent fieldwork experience.

SLWK 393 JUNIOR FIELD INSTRUCTION
11675 003 (3) May 20 – Jul 26 (10 weeks)
TBA
STAFF

MAJORS ONLY

FEE REQUIRED - SEE FEE TABLE IN FRONT OF BOOK

SLWK 603 SOCIAL WORK & SOCIAL JUSTICE
11676 003 (3) May 20 – Jun 20 (5 weeks)
MWF 0800PM – 0840PM BUSNS 1116
CRAMER, E

Examines social work’s historical and current commitment to social justice as related to oppressed groups in a multicultural society. Enhances understanding of and appreciation for diversity in self and others. Addresses issues of power, inequality, privilege, and resulting oppression. Analyzes oppression resulting from persistent social, educational, political, religious, economic, and legal inequalities. Focuses on the experiences of oppressed groups in the U.S. in order to understand their struggles, needs, and including those distinguished by race, ethnicity, gender, age, sexual orientation, disability, immigration status and class. Considers ethical dilemmas faced by social workers in empowerment and advocacy roles.

SLWK 607 SW PRAC W/L,F,G:THEO
11679 001 (2) May 20 – Jun 20 (5 weeks)
MT 0900AM – 0950AM DUNEGEE-ANDERSON

Prerequisites: Admission to the Advanced Standing Program; concurrent enrollment in SLWK 608, 611, 612. Reviews approaches, principles, techniques, and theories of social work practice with individuals, families, organizations and communities. Promotes identification as a professional social worker.

SLWK 610 SW POL PRAC/ORG THEO
11681 001 (3) May 28 – Jul 16 (8 weeks)
MT 0200PM – 0305PM BUSNS 2114
FAURI, D

Prerequisites: Admission to the advanced standing program; concurrent enrollment in SLWK 607, 611, 612. Presents social work theory and practice focusing on social policy, communities, agencies, and interventions in light of principles of social and economic justice. Introduces and analyzes the social work role of policy practitioner with its specific skills and tasks. Demonstrates the importance of understanding the community and the agency in social work practice. Provides skill building in advocacy, planned change, and policy and organizational analysis.

SLWK 609 FOUND OF SOCIAL RESEARCH
11684 901 (3) Jun 18 – Aug 8 (8 weeks)
TR 0600PM – 0840PM RLEGH 8-01
STAFF

Prerequisites: Junior or senior standing and permission of instructor. Under supervision of a faculty adviser, whose consent is required to register, study of a topic of concern to the student. Each student must present his/her findings in writing or pass an oral examination.