DGED - Graduate Education

DGED 524. Cellular Mechanotransduction. 3 Credits. (3 Lec) F
PREREQUISITES: Undergraduate students: upper division status within the major.
Graduate students: good standing within graduate program. NOTE: this course
will co-convene undergraduate and graduate versions with additional work and
depth required of graduate students. Solid and fluid mechanics and relationships
to cell biology. This interdisciplinary course brings together topics from both
engineering and molecular biology to understand the mechanisms by which cells
respond to loading. Topics selected from: musculoskeletal, circulatory, lymphatic,
chondrocyte, leukocyte, and cancer cell mechanotransduction.

DGED 585. Thesis Prep in Absentia. 0 Credits. (0 Ind)
-- Thesis preparation for students enrolled in absentia.

DGED 591. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand
Max 12 cr. PREREQUISITE: Upper division courses and others as determined for
each offering. Courses not required in any curriculum for which there is a particular
one time need, or given on a trial basis to determine acceptability and demand
before requesting a regular course number.

DGED 613. IGERT: Scientific Proposal Writing. 3 Credits. (3 Lec) F
PREREQUISITE: Acceptance in IGERT Program; DGED 610 and DGED 611.
The goal of this course is to provide the doctoral student with strategies, practical
skills and experience in seeking funding sources and writing and evaluating
scientific proposals. The student should leave this course with a proposal that is
ready to submit for funding.

DGED 614. IGERT: Advanced Methods in Geobiology. 3 Credits. (1 Lec, 1
Lab) F,S,Su
PREREQUISITE: Acceptance in IGERT Program. This course is part of the
required curriculum for IGERT students. The purpose is to provide students
with the opportunity to learn advanced research methods that will allow them to
understand complex geomicrobiological communities.

DGED 676. IGERT: Geobiological Systems Science - Internship. 3 Credits. (3
Ind) F,S,Su
PREREQUISITE: Acceptance in IGERT Program, DGED 610 AND DGED 611.
This course is part of the required curriculum for IGERT students, and provides
an opportunity for IGERT students to participate in a domestic or international
internship at an academic, private and or national laboratory.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.