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CURRICULUM PROPOSAL FORM

***DEADLINES:**

REGULAR COURSE PROPOSALS: OCTOBER 23, 1998 FOR FALL, 1999 AND FEBRUARY 19, 1999 FOR SPRING, 2000
SHORT-TERM COURSE PROPOSALS: DECEMBER 11, 1998 FOR FALL, 1999 AND MARCH 26, 1998 FOR SPRING 2000

PROPOSAL TITLE:	Surveying and Planning: Change in Name to "Surveying" (0908.402)	Change in Topical Emphasis
SPONSOR/S:	Ralph Alan Dusseau	change to 2 s.h
DEPARTMENT:	Civil Engineering	change to 300 level HEG15 0908.22

CHECK ALL THAT APPLY:

UNDERGRADUATE GRADUATE

COLLEGE: Engineering

If LAS: History/Humanities
 Math/Sciences
 Social/Behavioral Sciences

TYPE OF PROPOSAL (Check ALL that Apply)

<input type="checkbox"/> General Education	<input type="checkbox"/> New Course (NOT Gen. Ed.)
<input type="checkbox"/> <u>New Course in</u> <u>Bank</u>	<input type="checkbox"/> Name Change (Dept., School, Major)
<input type="checkbox"/> Existing course, Add To <u>Bank</u>	<input type="checkbox"/> Changes in Degree Requirements
<input type="checkbox"/> Multicultural/Global Designation	<input type="checkbox"/> <u>Changes Involve Gen. Ed. requirements</u>
<input type="checkbox"/> Writing Intensive Designation	<input checked="" type="checkbox"/> Minor Changes to Existing Courses
<input type="checkbox"/> New Minor/Concentration/Specialization	<input checked="" type="checkbox"/> <u>Course is NOT General Education</u>
<input type="checkbox"/> New Major/Degree Program	<input type="checkbox"/> <u>Course IS General Education</u>
<input type="checkbox"/> Short Term Course Proposal	

DEPARTMENT

(SIGNATURE INDICATES APPROVAL)

[Signature] 10/5/98 [Signature] 10/5/98

DEPT. CURRICULUM CHAIR / DATE DEPT. CHAIRPERSON / DATE

COLLEGE CURRICULUM COMMITTEE

DATE OF OPEN HEARING (if necessary) 2/9/99

APPROVED
 NOT APPROVED
COMMENTS:

Robert P. Hecketh 2/9/99
SIGNATURE DATE

ACADEMIC DEAN (& GRADUATE DEAN, for New Graduate Programs Only)

APPROVED
 NOT APPROVED
COMMENTS:

[Signature] 10/19/98
SIGNATURE (Academic Dean) DATE

SIGNATURE (Graduate Dean) DATE

UNIVERSITY CURRICULUM COMMITTEE

DATE OF OPEN HEARING (if necessary): 2/9/99 (college level only)

APPROVED

NOT APPROVED

COMMENTS:

Verbal Consultation Received from
Geography / Anthropology Dept.

Janetta Reeves
SIGNATURE

6/15/99
DATE

SENATE

Date announced at Senate: 2/23/99

Voted upon at Senate:

Approved

Not Approved

Date:

EXECUTIVE VICE PRESIDENT/PROVOST

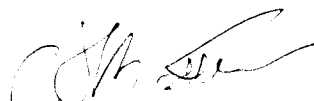
APPROVED

NOT APPROVED If no, reasons are as follows:

STUDENT CREDIT HOURS _____ FACULTY LOAD HOURS _____ EQUALIZED CREDIT HOURS _____

OFFICIAL COPY & APPROVAL SHEET FILED (DATE): _____

DATE/SIGNATURE EXECUTIVE VICE PRESIDENT/PROVOST



7/22/99

REGISTRAR

DATE APPROVED COURSE DESCRIPTION RECEIVED _____

HEGIS TAXONOMY & COURSE NUMBER ASSIGNED 0908 262

DATE/SIGNATURE OF REGISTRAR

Robert A. Helat 7/26/99

NOTIFICATION FORWARD:

SENATE CURRICULUM COMMITTEE CHAIRPERSON

DEPARTMENT CHAIRPERSONS

ACADEMIC DEAN(S)

REGISTRAR

SPONSOR(S)

T M
8/16/99

Proposal for a Minor Change in an Existing Course:

1. Details:

- a) Course Title: Surveying
- b) Sponsor: Civil Engineering Curriculum Committee
- c) Credit Hours: 2 credit hours
- d) Course Level: Sophomore (0908.202)
- e) Curricular Effect: Required course for all civil engineering students
- f) Prerequisites: Calculus I 1701, 130
- g) Suggested Time/Scale of Implementation: One section during spring semesters
- h) Resources:

Faculty: Existing faculty will teach this course.

Library: Library acquisitions will not be required.

Equipment: All necessary laboratory equipment has already been purchased for this course.

Computers: Computer laboratory access may be required.

2. Rationale:

The four proposed minor changes in the existing course called "Surveying and Planning" include: 1) a change in the name of the course to "Surveying," 2) a change in the emphasis of the course to land surveying, 3) a change in the number of credit hours from three to two, and 4) a change in the level of the course to the sophomore year. The changes in name, emphasis, and credit hours are a result of the change in the focus of the course to land surveying only. The change in the level of the course to the sophomore year will enable civil engineering students to utilize the land surveying skills that are learned in the course during their second summer internship which follows the sophomore year. The change in the level of the course would also permit the course to serve as the primary prerequisite for the Transportation Engineering course which is required for all civil engineering students who elect the Infrastructure Emphasis.

CHANGES

3. Essence of the Course:

a) Objectives:

Upon completion of the course, civil engineering students will be able to do the following using surveying equipment:

measure the following:

distances between fixed points

horizontal angles

vertical angles

elevations above mean sea level

drainage basin areas

conduct a traverse around a given plot of land

conduct a topographic survey over a given plot of land

layout a roadway profile on an existing piece of land

b) Topical Outline:

The topical outline of the course may vary to some extent depending on advances in surveying technology. The topics to be covered will include the following:

Distance Measurement Between Fixed Points

Horizontal and Vertical Angle Measurement

Elevation Measurement Relative to Mean Sea Level

Traverses Including Closing the Circuit

Measurement of Drainage Basin Areas

Topographic Surveys Including Topographic Mapping

Highway Alignment Surveys

c) Evaluation and Grading Procedure of Students:

Student grades will be based on team problems, team projects, individual examinations, and individual homework.

d) Course Evaluation:

The proposed course will be evaluated based on student evaluations and curriculum review by engineering faculty.

4. Results of Consultations:

The revised course is consistent with the civil engineering curricula that were approved by the University Senate in December 1994, the revised curricula that were approved in June 1996, and the latest curricula approved by the civil engineering faculty.

Catalog Description:

Surveying (0908.202)

Prerequisites: Calculus I

The course deals with the topic of land surveying which is the measurement of existing and man-made land profiles. The tasks performed include the measurement of drainage areas, distance measurements, angle measurements, elevation measurements, closing traverses, topographic surveys, and highway alignments. The course includes appropriate field and laboratory measurements utilizing land surveying equipment.