

General Education Review Committee Agenda

December 12, 2008

ADM 204

12:30 p.m. – 1:30 p.m.

I. Call to Order

Roll

() Erik Hirschman	Mat-Su/ UAB	Social Sciences
() Mari Ippolito	CAS/ UAB	
() Patricia Fagan	CAS	Humanities
() Robert Capuozzo	COE	
() Jack Pauli	CBPP	
() Jeane Breinig	CAS	Written Communication
() Len Smiley	CAS	Quantitative Skills
() Suzanne Forster	CAS/ UAB	
() Robin Wahto	CTC/ UAB	
() Walter Olivares	CAS	Fine Arts
() Tom Miller	OAA	
() Catherine Sullivan	CHSW/ UAB	
() Doug Parry	CAS	Oral Communication
() Jeff Miller	SOE	
() Karl Wing	USUAA	
() Hilary Davies	UAB Chair	

II. Approval of Agenda (pg. 1)

III. Approval of Summary (pg. 2)

IV. Report from Vice Provost Tom Miller

V. Chair's Report

VI. Course Action Requests

Chg GEO A460 Geomatics Design Project (3 cr) (2+2) (pg. 3-7)

VII. Old Business

A. Update on GER Capstone Assessment Meeting

VIII. New Business

IX. Informational Items and Adjournment

General Education Review Committee Summary

November 21, 2008

ADM 204

12:30 p.m. – 1:30 p.m.

I. Call to Order

Roll

(x) Erik Hirschman	Mat-Su/ UAB	Social Sciences
(x) Mari Ippolito	CAS/ UAB	
(x) Patricia Fagan	CAS	Humanities
(x) Robert Capuozzo	COE	
() Jack Pauli	CBPP	
(x) Jeane Breinig	CAS	Written Communication
(x) Len Smiley	CAS	Quantitative Skills
(x) Suzanne Forster	CAS/ UAB	
() Robin Wahto	CTC/ UAB	
() Walter Olivares	CAS	Fine Arts
(x) Tom Miller	OAA	
(e) Catherine Sullivan	CHSW/ UAB	
(x) Doug Parry	CAS	Oral Communication
() Jeff Miller	SOE	
(x) Karl Wing	USUAA	
(x) Hilary Davies	UAB Chair	

II. Approval of Agenda (pg. 1)

Approved

III. Approval of Summary (pg. 2-3)

Approved

IV. Report from Vice Provost Tom Miller

No report

V. Chair's Report

VI. Course Action Requests

Chg JUST A460 Justice in Crisis (3 cr) (3+0) (pg. 4-12)

Approved

Chg GEO A460 Geomatics Design Project (3 cr) (2+2)

No revisions received

VII. Old Business

A. Update on GER Capstone Assessment Plans

VIII. New Business

A. Review of GER courses which need to be updated (pg. 13)

Bart will finalize student survey and it will be sent out to faculty list serve for feedback.

Faculty survey

IX. Informational Items and Adjournment

Program: DEPARTMENT OF GEOMATICS

Date: November 31, 2008

GEO A460 Geomatics Design Project

Credits: 3.0

- I. Course Description:** Projects in Geomatics. Research, design, data compilation, analyses, and mapping for Geomatics project. Professional standards and ethical concerns for Geomaticians.
- II. Course Design:**
- A. This course teaches students how to identify and define geomatics problems, develop a proposal, gather research (both primary and secondary), analyze, and present solutions in maps, reports, and oral presentations.
 - B. 3 Credits (2+2)
 - C. Total time of student involvement: 135 hrs
 - 1. 2 lecture hrs/wk: 30 hrs.
 - 2. 2 lab hrs/wk: 30 hrs.
 - 3. 5 hrs/wk outside work expected: 75 hrs.
 - D. Course required for students seeking a Bachelor of Science in Geomatics or a Certificate in GIS.
 - E. Lab fee: Yes
 - F. This course may be taught in any time frame, but not less than one credit per week.
 - G. This is an existing course.
 - H. This course is coordinated within Geomatics, and with the School of Engineering, CTC, and Extended Sites.
 - I. N/A
- III. Activities:** Faculty meetings and discussion, research project, oral presentation, and final report.
- IV. Prerequisites:** GEO A355, and GEO A359 and GEO A365 with a minimum grade of C,.
- V. Evaluation:**
- A. Course is graded A-F.

- B. Specific grading policies and class requirements will be determined by the Department of Geomatics and by the faculty member teaching in a given semester.

VI. Outline:

- 1.0 Safety
 - 1.1 General campus safety
 - 1.2 Computer concerns and ergonomics
 - 1.3 Emergency evacuation procedures
- 2.0 Current problems in geomatics
 - 2.0 Technical problems
 - 2.1 Professional issues
 - 2.3 Ethical and legal concerns
- 3.0 Alaska Statutes governing the profession of geomatics
 - 3.1 Alaska Statutes, Title 8 "Business and Professions"
 - 3.2 Alaska Administrative Codes, Title 12 "Professional and Vocational Regulations"
- 4.0 Ethical considerations
 - 4.1 Surveyor's Code of Ethics
 - 4.2 Public good vs. personal financial gain
 - 4.3 Professional affiliations
- 5.0 Research techniques
 - 5.1 Primary research
 - 5.2 Secondary research
- 6.0 Definition of problems
 - 6.1 Limiting
 - 6.2 Focusing
 - 6.3 Developing a thesis
- 7.0 Analysis of audience, purpose, and approach
- 8.0 Analysis of the data
 - 8.1 Mathematical analyses
 - 8.2 Logical analyses
 - 8.3 Written analyses
- 9.0 Presentation modes
 - 9.1 Classical Maps
 - 9.2 Digital & Graphical Maps
 - 9.3 Technical papers
 - 9.4 Oral presentations

VII. Suggested Texts: varies depending upon project

VIII. Bibliography:

Arnoff, Stan. (1995). *Geographic Information Systems: A Management Perspective*, WDL Publications, Ottawa.

Briscoe, John. (1984). *Surveying the Courtroom: A Land Expert's Guide to Evidence and Civil Procedure*, CA: Landmark Enterprises, Rancho Cordova.

Brown, Curtis, M., et. al. (1994). *Evidence and Procedures for Boundary Location*, John Wiley and Sons, Inc, New York.

Brown, Curtis, M., et. al. (1994). *Boundary Control and Legal Principles*, John Wiley and Sons, Inc, New York.

Cho, George. (1998). *Geographic Information Systems and the Law, Mapping the Legal Frontiers*, Wiley, New York.

Huxhold, William and Levinsohn. (1995). *Managing Geographic Information Systems*, Oxford University Press, New York.

Kratovil, Robert. (1969). *Real Estate Law*, Prentice Hall, Inc., Englewood Cliffs, NJ.

Onsrud, Harland J., and David W. Cook, (1993). *Geographic and Land Information Systems for Practising Surveyors, A Compendium*. American Congress on Surveying and Mapping, Gaithersburg, Md.

Wattles, Gurdon H. (1976). *Writing Legal Descriptions*, Wattles Publishing, Tustin, CA:

The above references are available in the Geomatics Department or in the UAA Consortium Library.

IX. Instructional Goals, Student Outcomes, and Assessment Procedures:

A. Instructional Goal:

The instructor will:

- assist the student to research, analyze, substantiate, and present solutions to a problem or problems using geomatic techniques and knowledge

B. Student Outcomes and Assessment Procedures

At the end of the course the students will be able to:

Student Outcomes	Assessment Procedures
Create a design project proposal with a research component [GER Effective Communication]	Design proposal and regular meetings with faculty member
Conduct primary and secondary research [GER Information Literacy]	Final research project (written report and oral presentation)
Develop a thesis statement [GER Critical Thinking]	Final research project (written report and oral presentation)
Analyze a problem [GER Quantitative Perspectives]	Final research project (written report and oral presentation)
Map their results [GER Quantitative Perspectives]	Final research project (written report and oral presentation)
Present their findings in written and oral format [GER Effective Communication] [GER Knowledge Integration] [GER Quantitative Perspectives]	Professional evaluation of the final research project. Student exit survey (written)