APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

1.	Submitted by the College of	Engineering		Date: 2-February-2009	
	Department/Division offering	course: Mining Engin	eering		
2.	What type of change is being p	proposed? 🛛 Majo	r 🔲 Minor*		
	See the description at the end of this form regarding what constitutes a minor change. Minor changes are sent directly from the dean of the college to the Chair of the Senate Council.				
	If the Senate Council chair deems the change not to be minor, the form will be sent to the appropriate Council for normal processing and an email notification will be sent to the contact person.				
		•	POSED CHANGES		
			plete all "Current" fields.		
	Fill out the	"Proposed" field only for	r items being changed. Enter	N/A if not changing.	
	C	ircle the number for each	item(s) being changed. For	example: 6.	
3.	Current prefix & number:	MNG 591	Proposed prefix	& number: MNG 591	
4.	Current Title	Mine Design Project I			
	Proposed Title	Mine Design Project I			
	•	acters, offer a sensible titl	e of 24 characters or less:		
5.	Current number of credit hours	s: <u>1</u>	Proposed number of ci	redit hours: 2	
6.	Currently, is this course repeat	table? YES 🗌 N	NO 🛛 If YES, cur	rrent maximum credit hours:	
	Proposed to be repeatable?	YES 🔲	NO 🛭 If YES, prope	osed maximum credit hours:	
7.	Current grading system:	Letter (A, B, C, etc.) Pass/Fail		
	Proposed grading system:	☑ Letter (A, B, C, etc.,	Pass/Fail		
8. Courses must be described by <u>at least one</u> of the categories below. Include number of <u>actual contact hours per we</u>				of actual contact hours per week	for each category.
	Current:				
	() CLINICAL (_) COLLOQUIUM	() DISCUSSION	(<u>I</u>) LABORATORY (_	<u>l</u>) LECTURE
() INDEPEND. STUDY () PRACTICUM () RECITATION () RESEARCH					_) RESIDENCY
	() SEMINAR () STUDIO () O	THER Please explain: _	 	
	Proposed:				
	() CLINICAL (_) COLLOQUIUM	() DISCUSSION	(<u>3</u>) LABORATORY (<u>1</u>	LECTURE
	() INDEPEND. STUDY	() PRACTICUM	1 () RECITATION	() RESEARCH (_) RESIDENCY
	() SEMINAR (STUDIO ()	OTHER - Please explain:		
9.	Requested effective date (term	ı∕year):	Fall / 2010		
10.	Supplementary teaching comp	oonent: 🛛 N/A	Community-Based Ex	sperience	ng 🔲 Both
	Proposed supplementary teach	hing component:	Community-Based Ex	perience 🔲 Service Learnin	ng 🔲 Both

APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

11.	Cross-listing: N/A 194					
	Current Prefix & Number Current Cross-listing Department Chair					
	a. Proposed - REMOVE current cross-listing:					
	a. Proposed - REMOVE current cross-listing: Current Cross-listing Department Chair					
	b. Proposed - ADD cross-listing: Prefix & Number Proposed Cross-listing Department Chair					
12.	Current Distance Learning (DL) status: Already approved for DL Please Add Please Drop					
	If PROPOSING, check one of the methods below that reflects how the majority of the course content will be delivered.					
	Internet/Web-based [Interactive Video [Extended Campus [
13.	Current prerequisites:					
	MNG 291 and engineering standing					
	Proposed prerequisites:					
	MNG 211. MNG 291, MNG 332, and engineering standing					
14.	Current Bulletin description:					
	Students will undertake a design project consisting of reserve analysis of a given mine property. They will calculate					
	minable reserves and analyze mining and quality properties of coal. Each student will write a report supported by maps					
	and will present it orally before a group of peers and invited experts. Lecture, one hour; laboratory, one hour per week.					
	Proposed Bulletin description:					
	First course of a two-part capstone design project. Emphasis is on ore reserve evaluation, development of a preliminary					
	mine plan, design of auxiliary processes, teamwork, and oral and written communication. Minable reserves will be					
	quantified and quality distribution assessed. An appropriate mining technique will be identified and implemented into a					
	proposed mine design. Lecture, one hour; laboratory, three hours per week.					
15	What has prompted this change?					
13.	Changes in MNG 591 and MNG 592 are requested to balance work load in from one credit hour in MNG 591 and three					
	credit hours in MNG 592 to two credit hours in each course. (See #9 of Program Change Application.)					
	(33.00.00.00.00.00.00.00.00.00.00.00.00.0					
16.	If there are to be significant changes in the content or teaching objectives of this course, indicate changes:					
	Some of the content, specifically, a preliminary mine desing and equipment selection, previously contained in MNG 592 will now be included in MNG 591					
	Included III MING 591					
17. Please list any other department that <u>could</u> be affected by the proposed change:						
	None					
18.	Will changing this course change the degree requirements for ANY program on campus? X YES INO					
10.	If YES ² , list below the programs that require this course:					
	Mining Engineering. This course change is part of a program change in mining engineering.					

APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

In order for the course change to be considered, program change form(s) for the programs above must also be submitted. ☐ Yes Is this course currently included in the University Studies Program? No. 19. If changed to 400G- or 500-level, you must include a syllabus showing differentiation for undergraduate and Check box if graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the 20. changed to establishment of different grading criteria in the course for graduate students. (See SR 3.1.4) 400G or 500. 21. Within the department, who should be contacted for further information on the proposed course change? 257-4616 Email: jsottile@engr.uky.edu Name: Joseph Sottile Phone: Signatures to report approvals: 22. Department Faculty DATE of Approval by College Reported by College Dean *DATE of Approval by Reported by Undergraduate Council Chair Undergraduate Council Reported by Graduate Council Chair *DATE of Approval by Graduate Council *DATE of Approval by Health Reported by Health Care Colleges Council Chair Care Colleges Council (HCCC) Reported by Office of the Senate Council *DATE of Approval by Senate Council Reported by the Office of the Senate Council *DATE of Approval by the University Senate *If applicable, as provided by the University Senate Rules. (http://www.uky.edu/USC/New/RulesandRegulationsMain.htm) Excerpt from University Senate Rules: Definition. A request may be considered a minor change if it meets one of the following SR 3.3.0.G.2: criteria: change in number within the same hundred series; editorial change in the course title or description which does not imply change in content or emphasis; a change in prerequisite(s) which does not imply change in content or emphasis, or which is made necessary by the elimination or significant alteration of the

a cross-listing of a course under conditions set forth in SR 3.3.0.E;

prerequisite(s):

correction of typographical errors.

Proposed Syllabus – MNG 591

Syllabus

Department of Mining Engineering University of Kentucky

MNG 591: Mine Design Project I

2 Credit Hours 1 hour lecture, 3 hours laboratory Instructor: Kot Unrug Office: Room 234G MMRB

Phone: 257-1883

E-mail: kotunrug@engr.uky.edu

Course Description: First course of a two-part capstone design project. Emphasis is on ore reserve evaluation, development of a preliminary mine plan, design of auxiliary processes, teamwork, and oral and written communication. Minable reserves will be quantified and quality distribution assessed. An appropriate mining technique will be identified and implemented into a proposed mine design. Lecture, one hour; laboratory, three hours per Prereg: MNG 211, MNG 291, MNG 332, and Engineering week. Standing.

Prerequisites:

MNG 211, MNG 291, MNG 332, and engineering standing.

Course Topics:

Lectures will be provided by the instructor and guest lecturers who are specialists in various areas

- 1. Project Management Introduction (Teamwork)
- 2. Mineral Reserve Modeling Software (Guest Lecture)
- 3. Geologic Modeling (Guest Lecture)
- 4. Reserve Calculations
 - a. Tonnage
 - b. Overall Quality and Quality Distribution
 - c. Isopach Mapping
- 5. Preliminary Mine Planning (Guest Lecture)
 - a. Mapping
 - b. Unit Operations
 - c. Production Planning
- 6. Auxiliary Processes
 - a. Ground Control Planning and Permits
 - b. Ventilation Planning and Permits
 - c. Refuse Disposal Planning and Permits
 - d. Surface Facilities (Guest Lecture)

Proposed Syllabus – MNG 591

Learning Outcomes: (Undergraduate and Graduate Students)

Program	Assessment
Outcome	Tool
(d)	Component Report,
	Final Report,
	Presentation
(a), (c), (e), (j),	Component Report,
(k)	Final Report,
	Presentation
(f), (k)	Component Report,
	Final Report,
	Presentation
(d)	Team Structure &
	Meeting Plan, Timely
	submission of
	Component Reports,
	Final Team Report
(g)	Component Report,
	Final Report,
	Presentation
	Component Report,
	Final Report,
	Presentation
	rescitation
	Outcome (d) (a), (c), (e), (j), (k) (f), (k)

Grading Policy:

	Undergraduate Students	Graduate Students
Report Components	25%	20%
Final Project Report	50%	45%
Project Presentation	25%	20%
Optimization	NA	15%

Grading Scale

	Undergraduate Students	Graduate Students
90% - 100%	Α	Α
80% - 89.9%	В	В
70% - 79.9%	С	С
60% - 69.9%	D	E
< 60%	E	Е