

UNIVERSITY OF BALTIMORE

DOCUMENT N: COURSE AND PROGRAM DEVELOPMENT COVER SHEET

See Course and Program Development Policy and Procedures for Instructions

SCHOOL: LAW <input type="checkbox"/> MSB <input type="checkbox"/> YGCLA <input checked="" type="checkbox"/>	Contact Name: Peggy Potthast	Phone: x5342
DEPARTMENT / DIVISION: Office of the Dean, College of Liberal Arts		
SHORT DESCRIPTION OF PROPOSAL (state name of action item 1-20 and course name, code & number / program affected):		
#8 – new course – PHSC 101 Earth in Focus		
PROPOSED SEMESTER OF IMPLEMENTATION: Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Year: 2007		

Box 1: TYPE OF ACTION	ADD(NEW) <input checked="" type="checkbox"/>	DEACTIVATE <input type="checkbox"/>	MODIFY <input type="checkbox"/>	OTHER <input type="checkbox"/>
Box 2: LEVEL OF ACTION	Non-Credit <input type="checkbox"/>	Undergraduate <input checked="" type="checkbox"/>	Graduate <input type="checkbox"/>	OTHER <input type="checkbox"/>

Box 3: ACTION ITEM (check appropriate boxes)		DOCUMENTS REQUIRED (see box 4 below)	IMPACT REVIEWS (see box 5 on back)	APPROVAL SEQUENCE (see box 6 on back)
	1. Experimental Course ¹	NOP	a, c, e	AC
	2. Course Title	NO		ABCD
	3. Course Credits	NO		ABCD
	4. Course Number	NO		ABCD
	5. Course Level	NO		ABCD
	6. Pre & Co-Requisite	NO		ABCD
	7. Course Description	NOP		ABCD
X	8. New Course	NOP		ABCDEF
	9. Deactivate a Course	NO		ABCDEF
	10. Program Requirements	NO	b, c, d, e	ABCDEF
	11a. UG Specialization (24 credits or less)	NO	a, b, c, d, e	ABCDEF
	11b. Masters Specialization (12 credits or less)	NO	a, b, c, d, e	ABCDEF
	11c. Doctoral Specialization (18 credits or less)	NO	a, b, e	ABCDEF
	12. Closed Site Program	NOT	e	ABCDEHIK
	13. Program Suspension ⁹	NO,5	a, e	ABCDEGIK
	14a. Certificate Program (ug/g) exclusively within existing degree program	NO	a, c, e	ABCDEFHIK
	14b. Certificate Program (ug/g) where degree programs do not exist or where courses are selected across degree programs (12 or more credits)	NOQR, 6	a, c, e	ABCDEFHJL
	15. Off-Campus Delivery of Existing Program	NO, 4	a, b, c, e	ABCDHIL
	16a. UG Concentration (exceeds 24 credit hours)	NO, 5	a, c, d, e	ABCDEFHJL
	16b. Masters Concentration (exceeds 12 credit hours)	NO, 5	a, c, d, e	ABCDEFHJL
	16c. Doctoral Concentration (exceeds 18 credit hours)	NO, 5	a, c, d, e	ABCDEFHJL
	17. Program Title Change	NO, 5	a, c, d, e	ABCDEFHJL
	18. Program Termination	NO, 10	d, e	ABCDEFHIK
	19. New Degree Program	NOQR, 3,8	a, c, d, e	ABCDEFHJL
	20. Other	Varies	Varies	Varies

Box 4: DOCUMENTATION (check boxes of documents included)				
X	N. This Cover Sheet		Q. Full 5-page MHEC Proposal	T. Other
X	O. Summary Proposal		R. Financial Tables (MHEC)	
X	P. Course Definition Document		S. Contract	

- Approval of experimental course automatically lapses after two offerings unless permanently approved as a new course.
- Codes: a) Library Services (Langsdale or Law) b) Office of Technology Services c) University Relations d) Admissions
- Letter of Intent is required by USM at least 30 days before a full proposal can be submitted. Letter of Intent requires only the approval of the dean and the provost and is forwarded to USM by the Office of the Provost.
- One-page letter to include: Program title & degree/certificate to be awarded; resources requirements; need and demand; similar programs; method of instruction; and oversight and student services (MHEC requirement)
- One-page letter with description and rationale (MHEC requirement)
- One or two-page document that describes: centrality to mission; market demand; curriculum design; adequacy of faculty resources; and assurance program will be supported with existing resources. (MHEC requirement)
- Learning objectives, assessment strategies; fit with UB strategic plan
- Joint Degree Program or Primary Degree Programs require submission of MOU w/ program proposal. (MHEC requirement)
- Temporary suspension of program to examine future direction; time not to exceed two years. No new students admitted during suspension, but currently enrolled students must be given opportunity to satisfy degree requirements.

DOCUMENT N: COURSE AND PROGRAM DEVELOPMENT COVER SHEET (Page 2 of 2)

SCHOOL: LAW <input type="checkbox"/> MSB <input type="checkbox"/> YGCLA X
SHORT DESCRIPTION OF PROPOSAL (state name of action item 1-20 and course name, code & number / program affected):
#8 – new course – PHSC 101 Earth in Focus

10. Provide:
- evidence that the action is consistent with UB mission and can be implemented within the existing program resources of the institution.
 - proposed date after which no new students will be admitted into the program;
 - accommodation of currently enrolled students in the realization of their degree objectives;
 - treatment of all tenured and non-tenured faculty and other staff in the affected program;
 - reallocation of funds from the budget of the affected program; and
 - existence at other state public institutions of programs to which to redirect students who might have enrolled in the program proposed for abolition.
11. University Council *review* (for a recommendation to the President or back to the Provost) shall be limited to curricular or academic policy issues that may potentially affect the University's mission and strategic planning, or have a significant impact on the generation or allocation of its financial resources.

Box 5: IMPACT REVIEW	SIGNATURES (see procedures for authorized signers)	DATE
a. Library <input type="checkbox"/> No impact <input type="checkbox"/> Impact statement attached	Director or designee:	
b. OTS <input type="checkbox"/> No impact <input type="checkbox"/> Impact statement attached	CIO or designee:	
c. University Relations <input type="checkbox"/> No impact <input type="checkbox"/> Impact statement attached	Director or designee:	
d. Admissions <input type="checkbox"/> No impact <input type="checkbox"/> Impact statement attached	Director or designee:	
e. Records <input type="checkbox"/> No impact <input type="checkbox"/> Impact statement attached	Registrar or designee:	

Box 6: APPROVAL SEQUENCE	APPROVAL SIGNATURES	DATE
A. Department / Division	Chair: <i>Margaret J. Pottback</i>	<i>12-1-06</i>
B. Final faculty review body within each School	Chair: <i>Thomas E. Carney</i>	<i>12-19-06</i>
C. College Dean	Dean: <i>Jay W. [Signature]</i>	<i>1/3/07</i>
D. Provost and Senior Vice President for Academic Affairs	Provost: <i>Judith A. Sandell</i>	<i>1/18/07</i>
E. Curriculum Review Committee (UFS subcommittee)	Chair: <i>Mukulil Gillegu</i>	<i>1/23/07</i>
F. University Faculty Senate (UFS option)	Chair:	
G. University Council (see # 11 above)	Chair:	
H. President	President:	
I. Board of Regents – notification only		
J. Board of Regents – approval		
K. MHEC – notification only		
L. MHEC – approval		
M. Middle States Association notification	Required only if the mission of the University is changed by the action	

DOCUMENT O: SUMMARY PROPOSAL

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DEPARTMENT / DIVISION: Office of the Dean; College of Liberal Arts		
SHORT DESCRIPTION OF PROPOSAL (state action item 1-23 and course name & number or program affected):		
#8 – new course – PHSC 101 Earth in Focus		
PROPOSED SEMESTER OF IMPLEMENTATION: Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Year: 2007		

O-1: Briefly describe what is being requested:

We are requesting to add a new course, PHSC 101 Earth in Focus, to the curriculum to help meet general education needs in science.

For new courses or changes in existing courses (needed by Registrar)

OLD Title:	Course # / HEGIS Code:	Credits:
NEW Title: Earth in Focus	Course # / HEGIS Code: PHSC 101	Credits: 3

O-2: Set forth the rationale for the proposal:

We want to build science courses the meet general education needs of students as required by MHEC.

Document P: Course Definition
Earth in Focus

1. Prepared October 22, 2006.
2. Prepared by Ronald Castanzo and Peggy Potthast
3. Department: College of Liberal Arts
4. Course Number: PHSC 101
5. Course Title: Earth in Focus
6. Credit hours: 3.0
7. Catalog Description:

THIS COURSE SATISFIES THE NON-LABORATORY GENERAL EDUCATION SCIENCE REQUIREMENT.

A study of the origins, composition, and physical processes of our planet. The Earth's land masses, bodies of water, and atmosphere are examined. Natural phenomena such as earthquakes, volcanic eruptions, and global weather patterns are explained. Includes a discussion of environmental issues that directly impact people, such as industrial pollution, depletion of natural resources, and global warming.

8. Prerequisites: None
9. Faculty qualified to teach course: Master's Degree in geology or some other field of natural science (e.g. biology, chemistry, physics, etc.); new hire or adjunct
10. Course Type/Component: lecture
11. Suggested approximate size: 30 students
12. Content Outline:

<i>Week</i>	<i>Topics</i>
1	What is science?; scientific method; structure of the Earth
2	Astronomy; Earth's place in the universe
3	Our solar system
4	The Sun; beyond the solar system
5	Rocks and minerals
6	Soil; weathering
7	Running water; industrial pollution
8	Glaciers, deserts, and wind; earthquakes
9	Plate tectonics; volcanism
10	Mountain building; geologic time
11	History of the Earth; oceans

- | |
|--|
| 12 Atmosphere |
| 13 Atmospheric temperature and moisture; air pollution |
| 14 Weather; precipitation and drought |
| 15 Climate; greenhouse effect and global warming |

13. Learning Goals:

- I. to understand the basic terminology, fundamental concepts, and significant persons in the field of earth science;
- II. to be able to extract and summarize information from a peer review journal article dealing with earth science;
- III. to understand how science is conducted (including the construction and testing of hypotheses) and what distinguishes scientific fields from other types of disciplines;
- IV. to attain a fundamental understanding of how scientific data are gathered, quantified, and evaluated;
- V. to become familiar with the tools scientists use to gather and assess scientific data, including basic statistical techniques and software.
- VI. to understand the connection between fundamental principles and concepts of earth science and the natural phenomena they encounter in their everyday lives.

14. Assessment Strategies:

- I. frequent quizzes and/or short assignments (e.g. observational studies, completion of take-home questions, etc.);
- II. at least two exams, including a final exam;
- III. writing assignments (stressing scientific format and writing) that require students to utilize, on a limited basis, the peer review literature (articles chosen by the instructor are suggested);
- IV. field trip reports, oral presentations, and other kinds of assessment tools are possible, but not essential, for the instruction of the course.

15. Suggested text:

Tarbuck, E. J. J., Lutgens, F. K., and Tasa, D. 2006 *Earth Science*. Prentice Hall.

Other appropriate texts:

Owen, C., Pirie, D., and Draper, G. 2006 *Earth Lab: Exploring the Earth Sciences*.

Brooks/Cole.

Tarbuck, E. J. J., Lutgens, F. K., Tasa, D., and Pinzke, K. G. 2006 *Applications and Investigations in Earth Science*. Prentice Hall.

Thompson, G. R. and Turk, J. 2007 *Earth Science and the Environment*. Brooks/Cole.