

JUL 21 2011

The University Of Toledo
NEW COURSE PROPOSAL

* denotes required fields

1. College*: --Select a College--
Department*: --Select a Department--

Level (check one)*

Undergraduate
 Graduate

Will this course impact program requirements?
 Yes No *If yes, a Program Modification must be completed.*

Type of course (check all that apply)

Academic Skills Enhancement Writing Intensive (WAC) Honors

Univ. Core: English Hum Math Nat. Sciences Social Sciences

Multicultural: Diversity of US Culture Non-US Culture

Transfer module: Arts&Hum Engl Math Nat Sci & Phys Soc Sci
(to be considered as core curriculum, question 18 must be completed)

2. Contact Person*: Cynthia M. Smas Phone 383-4131 (XXX - XXXX) Email: cynthia.smas@utoledo.edu

3. Alpha/Numeric Code (Subject area - number)*: BMSP - XXX
If this is a renumbering, please request an electronic copy of the old course approval through the Register's Office at x4865, and attach it to #15 in this form. Remember to delete the old course ID in #13.

4. Proposed title*: BPG Introduction to Methods in Biomedical Scier

Proposed effective term: Fall 2011

5. Planned enrollment per section: 6 per term: 6

6. Is the course cross-listed with another academic unit? Yes No

Is the course offered at more than one level? Yes No

If yes to either question, please list additional Alpha/Numeric codes, and submit a separate New Course form or Course Modification form for the course(s) referenced below.

a. - b. - c. -

Approval of other academic unit (signature)

Name and title

If course is to be offered at more than one level, attach an explanation of the different requirements that students must meet for each level. If the requirements are the same for each level, justification must be provided.

7. Credit hours*: Fixed: 1 or Variable: to

8. Delivery Mode: Primary* Secondary Tertiary

a. Activity Type† Lecture

b. Minimum Credit Hours * 1

Maximum Credit Hours * 1

c. Weekly Contact Hours * 2

† Choices are: Lecture, Recitation, Seminar, Regular Lab, Open Lab, Studio, Clinic, Field, Independent Study, Workshop, Computer Assisted Instruction, Other

9. Terms offered: Fall Spring Summer

Years offered: Every Year Alternate Years

10. Are students permitted to register for more than one section during a term? No Yes

May the courses be repeated for credit? No Yes

Maximum Hours

11. Grading System*: Undergraduate Graduate

Normal Grading (A-F,PS/NC,PR, I) Normal Grading (A-F,PS/NC,PR, I)

Passing Grade/No Credit (A-C, NC) Grade Only (A-F)

Credit/No Credit Satisfactory/Unsatisfactory (G only)

Grade Only (A-F, PR, I) Audit only

Audit only No Grade

No Grade

12. Prerequisites (must be taken before): a. - b. - c. -
 PIN (Permission From Instructor) PDP (Permission From Department)
 Co-requisites (must be taken together): a. - b. - c. -

13. If course is to replace an existing course(s) will be deleted, and when should that deletion occur?
 Course to be removed from inventory: _____ Final Term to be offered (YYYYT, i.e. use 20064 for Fall'06)
 a. _____
 b. _____
 c. _____
 d. _____

14. Catalog description* (30 words Maximum)

Introduction to biomedical methods. Required for Bioinformatics, Proteomics and Genomics (BPG) MSBS (but not certificate) students. An abbreviated version of BMSP-638, BMSP-XXX runs for first 8 wks of fall semester.

15. Attach an electronic copy of a complete outline of the major topics covered.

Syllabus: *

Additional Attachment 1:

Additional Attachment 2:

16. Where does this course fit in the University/College/Department curriculum? (Be specific by course level, if applicable). Indicate prospective demand.

Course is specifically designed for to meet curriculum content needs of MSBS students in the BPG program. MSBS students in this program cannot take the full 3 credit course numbered BMSP-638 due to time and credit numbers constraints. All BPG MSBS students will take the course; demand is estimated at 6 students per yearly fall term.

17. If the proposed course is similar to another course in the College or University, please describe the difference and provide a rationale for the duplication. (If this course duplicates material covered in another course within your department or college or in another college, attach a letter of endorsement from that area's dean and department chairperson indicating their support. Clarify the manner in which this course will differ).

Course is specifically designed for to meet curriculum content needs of MSBS students in the BPG program. MSBS students in this program cannot take the full 3 credit course numbered BMSP-638/838 due to time and credit numbers constraints. BPG MSBS students attend a subset of lectures during the first 8 wks of BMSP-638/838. These lectures cover those methods that are particularly pertinent to the BPG program. BPG MSBS students attend lectures alongside graduate students enrolled in BMSP-638/838, a 3 credit course which runs for the full fall semester.

18. If the course is intended to meet a University Undergraduate Core requirement, complete the following and submit a course syllabus using the [template](#).

Please explain how this course fulfills the general education guidelines. ([Guidelines](#) are available in [Faculty Senate Website](#))

I am using this box to clarify some points above, NOT IN RESPONSE TO GENERAL EDUCATION GUIDELINES:

For Q1: College is College of Medicine, department name is not applicable.

For Q4: The full course name is : BPG Introduction to Methods in Biomedical Sciences

For Q7 and Q8: Based on contact hours, actual credit hours is 1.125, and average weekly contact hours is 2.25, I could only list as "1" or "2" in boxes. This course only runs the first 8 wks of the fall semester.

Course Approval:

Department Curriculum Authority:

7 / 7 / 2011
 Date Month / Day / Year

Department Chairperson:

Date Month / Day / Year

College Curriculum Authority:

Date 7 / 8 / 2011
 Date Month / Day / Year

College Dean:

Date 7 / 14 / 2011
 Date Month / Day / Year

After college approval, submit the original signed form to the Faculty Senate (FH 3320) for undergraduate-level courses; for graduate-level courses submit the original signed form to the Graduate School (UH3240). For undergraduate/graduate dual-level courses, submit the proposals to each office.

Faculty Senate Undergrad. Curriculum Comm.:

Date Month / Day / Year

Faculty Senate Core Curriculum Comm.:

Date Month / Day / Year

Graduate Council

Date 10 / 4 / 2011
 Date Month / Day / Year

Office of the Provost:

Date Month / Day / Year

Registrar's Office:

Date Month / Day / Year

Submit New Course Proposal

You will see a confirmation page after you press the "Submit" button. If you do not see the confirmation page, please call x 4320 or send an email to ProvostWebMaster.utoledo.edu. Thanks.

BPG Introduction to Methods in Biomedical Sciences (BMSP XXX)
Fall Semester 2011
Block Health Science Bldg., Room 436
Course Director: Cynthia Smas, D.Sc.

DATE	TIME	TOPIC	INSTRUCTOR
Tuesday, Aug. 23	1 – 3	Introduction to Course The Molecular Toolbox	Dr. Smas
Thursday, Aug. 25	1 – 3	Protein Purification	Dr. Dignam
Tuesday, Aug. 30	1 – 3	Nucleic Acid Purification and DNA Sequencing -Sanger and pyrophosphate “deep sequencing” methods	Dr. Smas
Thursday, Sept. 1	1 – 3	Analysis of Transcript Levels	Dr. Cicila
Thursday, Sept. 8	1 – 3	Using Antibodies	Dr. Overmeyer
Tuesday, Sept. 13	1 - 2	EXAM 1	Dr. Smas
Thursday, Sept. 15	1 – 3	Host Vector Systems	Dr. Smas
Thursday, Sept. 22	1 – 3	Proteomics	Dr. Griffith
Thursday, Sept. 29	1 – 2 2 – 3	Differential Screening Microarray	Dr. Smas Dr. Chin
Tuesday, Oct. 4	1 - 2	EXAM 2	Dr. Smas

06/29/11, Smas revision