Fast Track
General Education Foundations Course Articulation From a UH Campus to UH Mānoa: INSTRUCTIONS

MATHEMATICS

The University of Hawai‘i Mathematics Faculty Working Group invites your campus to propose that one or more of your courses articulate to UHM as satisfying the UHM Foundations Symbolic Reasoning (FS) requirement. If the Working Group recommends and the University Council on Articulation (UCA) approves the proposal, students who complete any section of the course in Fall 2003-Summer 2007 with a “D” grade or better will satisfy UHM’s FS requirement if they later transfer to UHM.

This is a one-time, “fast track” process described in the memo that Deane Neubauer, Interim Vice President for Academic Affairs, distributed to all Chancellors on December 24, 2002. As explained in that memo, permanent articulation procedures are to be developed.

If your campus offers a course that is equivalent to a UHM-approved FS course and if you are interested in articulating it as a FS course, please complete a proposal and submit it to the UCA Chair by February 5, 2003. The Working Group will review your proposal and make its recommendation to the UCA on February 15. The Vice President for Academic Affairs will inform you of the decision by March 3, 2003.

Instructions to propose a course

All proposals must be submitted electronically to vpaa-gened@hawaii.edu by 4:00 p.m., Wednesday, February 5, 2003.

Electronically (MS Word or Adobe Acrobat format) submit the following to vpaa-gened@hawaii.edu:

(A) Completed proposal form (signatures not required on electronic submission) and complete answers to the questions to show how the course meets each of the Hallmarks. The form is available online at www.hawaii.edu/gened/vpaa_articulation.htm.
(B) A master syllabus. (If multiple instructors teach the course and use varying texts and/or assignments, include at least three representative syllabi.)

DEADLINE: 4:00 p.m., Wednesday, February 5, 2003.

After electronically submitting, mail a copy of completed form with appropriate original signatures, supporting materials, and master syllabus to

Dr. Karl Kim, Chair, University Council on Articulation
University of Hawai‘i at Mānoa
2444 Dole St., Bachman Hall 105
Honolulu, HI 96822-2397
Fast Track
General Education Foundations Course Articulation
From a UH Campus to UH Mānoa: PROPOSAL FORM, MATHEMATICS

Course Information

Course: _____________________________ Submitting Campus: ___________________________

Title & Catalog Description:

UHM Equivalent Course (check one): [Only equivalent courses may be submitted for Fast Track review.]

- MATH 100 Survey of Mathematics
- MATH 140 Trigonometry and Analytic Geometry
- MATH 203 Calculus for Business and Social Sciences
- MATH 215 Applied Calculus I
- MATH 241 Calculus I
- MATH 241 Accelerated Calculus I

Symbolic Reasoning (FS) Hallmarks & Application Questions

Answer the following questions and submit the answers along with this form and at least one course syllabus.

1. Students will be exposed to the beauty, power, clarity and precision of formal systems. How will the course meet this hallmark?

2. Instructors will help students understand the concept of proof as a chain of inferences. How will instructors help students understand this concept?

3. Instructors will teach students how to apply formal rules or algorithms. How will instructors meet this hallmark?

4. Students will be required to use appropriate symbolic techniques in the context of problem solving, and in the presentation and critical evaluation of evidence. What symbolic techniques will be required and in what contexts? How will presentations and evaluations of evidence be incorporated into the course?

5. The course will not focus solely on computational skills. What reasoning skills will be taught in the course?

6. Instructors will build a bridge from theory to practice and show students how to traverse this bridge. How will instructors help students make connections between theory and practice?

Required Signatures

Requested by

______________________________ ___________________________
Chair/Director Department/Unit

______________________________
Signature Date

Approved by

______________________________
Chief Academic Officer Campus

______________________________
Signature Date

Submit to vpaa-gened@hawaii.edu by 4:00 p.m., February 5, 2003.