

## OHIO STATE NEW COURSE REQUEST

College: MPS

Academic unit: Mathematics

Book 3 Listing: Mathematics

(e.g., Portuguese)

Proposed

Course No: 609 Full Title of Course: Applications of Mathematical Software

Proposed Effective Qtr/Yr: SU  AU  WI  SP  YEAR: 2007

(See OAA Academic Organization

and Curriculum Handbook for Deadlines)

**A. Course Offerings Bulletin Information.** Follow instructions in the *OAA Academic Organization and Curriculum Handbook*.

**Is this a course with decimal subdivisions?** If so, use one New Course Request form for the generic information that will apply to all subdivisions. Use separate forms for each new decimal subdivision, including on each form only the information that is unique to that subdivision.

18-Character Transcript Abbreviation: Applic Math Sftwre Level U  G  P  Credit Hours: 3

Description (not to exceed 25 words): Familiarize mathematics majors with some mathematical software encountered in

a university setting: Matlab, Maple or Mathematica, and Latex

Quarter offered (check): SU  AU  WI  SP  \*Distribution of class time/contact hours: 3Quarter and contact/class time hours information should be omitted from Book 3 publication: (check here) 

Prerequisite (s): 255 or 415 or H521, and 568 or 571 or H520, and graduate standing or permission of instructor

Exclusion or limiting clause: Open only to Mathematics majors

Repeatable to a maximum of 0 credit hours.

Cross-listed with: N.A.

Grade Option (Please check): Letter  S/U  Progress 

If this course is Progress graded, what course is the last one in the series?

Honors Statement: Yes  No  GEC: Yes  No  Admission Condition  
 Off-Campus: Yes  No  EM: Yes  No  Course: Yes  No   
 Embedded Honors Statement: Yes  No

Other General Course Information:

(e.g. "Taught in English." "Credit does not count toward BSBA degree.")

Subject Code \_\_\_\_\_

Subsidy Level (V, G, T, B, M, D, or P) \_\_\_\_\_

(If you have questions please email Jed Dickhaut @ dickhaut.1@osu.edu)

Will course be taught in distance learning format: Yes  No

**B. General Information:**

1. Provide the rationale for proposing this course:  
(See attached)

2. List Major/Minor affected by the creation of this new course. Attach revisions of all affected programs.  
This course is (check one) Required  Elective  Other (Explain) :

\* If the course offered is less than quarter, term, or semester, please also complete the Flexibly Scheduled/Off Campus/Workshop Request form.

3. Indicate the nature of the program adjustments, new funding, and/or withdrawals that make possible the implementation of this new course.  
None - this course has been taught for the past three summers under 694M

4. Is the approval of this request contingent upon the approval of other course requests or curricular requests?  
Yes  No  List:

5. If this course is part of a sequence, list the number of the other course(s) in the sequence: \_\_\_\_\_ No

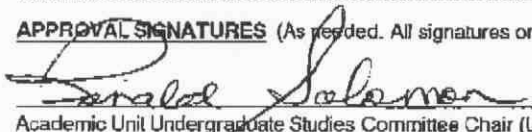
6. Expected section size: 12 Proposed number of sections per year: 1

7. Do you want prerequisites enforced electronically? (See OAA Curriculum Manual for what can be enforced.) Yes

8. This course has been discussed with and has the concurrence of the following academic units needing this course or with academic units having directly related interests (List units and attach letters and/or forms): Not Applicable   
CSE

9. Attach a course syllabus that includes a topical outline of the course, student learning outcomes and/or course objectives, off-campus field experience, methods of evaluation, and other items as stated in the OAA Curriculum Handbook.

\*\*\*\*\*  
**APPROVAL SIGNATURES** (As needed. All signatures on lines in ALL CAPS ( e.g. ACADEMIC UNIT) must be completed

 **RONALD SOLOMON**  
Academic Unit Undergraduate Studies Committee Chair (Undergraduate course) Printed Name

1/26/07  
Date

Academic Unit Graduate Studies Committee Chair (Undergraduate/Graduate course)

Printed Name

Date

*Neil Falkner*

NEIL FALKNER

22 Jan 07

School /College Undergrad Curriculum Committee (Undergraduate/Graduate course)

Printed Name

Date

School /College Graduate Curriculum Committee (Undergraduate/Graduate course)

Printed Name

Date

*Doug Gass*

Doug Gass

2-7-07

ACADEMIC UNIT CHAIR /SCHOOL DIRECTOR

Printed Name

Date

COLLEGE DEAN

Printed Name

Date

Graduate School (If Appropriate)

Printed Name

Date

ASC Curriculum Committee Chair (If Appropriate)

Printed Name

Date

University Honors Center (If Appropriate)

Printed Name

Date

Office of International Education (study tour only)

Printed Name

Date

ACADEMIC AFFAIRS

Printed Name

Date

## DEPARTMENTAL COURSE REVIEW CONCURRENCE FORM

The purpose of this form is to provide a simple system of obtaining departmental reactions to proposed new courses, group studies, study tours, workshop requests, and course changes. A letter may be substituted for this form.

Academic units initiating a request which requires such a reaction should complete Section A of this form and send a copy of the form, course request, and syllabus to each of the academic units that might have related interests in the course. Initiating units should allow at least two weeks for responses.

Academic units receiving this form should response to Section B and return the form to the initiating unit. Overlap of course content and other problems should be resolved by the academic units before forwarding this form and all other accompanying documentation to the Office of Academic Affairs.

### A. Information from academic unit *initiating* the request:

Initiating Academic Unit: Mathematics Date: 1/19/2007

Registrar's Listing: \_\_\_\_\_

Course Number: 609 Level: U  P  G  Credit Hours: 3

Course Title: Applications of Mathematical Software

Type of Request:  New Course  Group Studies  Workshop  Study Tour   
Course Change

Academic Units with related interests asked to review the request: CSE

Date responses are needed:

Feb 16, 2007

### B. Information from academic units *reviewing* the request:

- The academic unit **supports** the proposal  
 The academic unit **does not support** the proposal.

Please explain:

\*\*\* with the understanding it is not a course to teach computer programming.

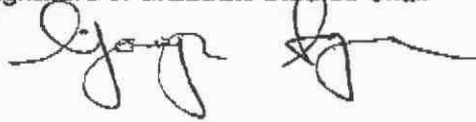
The academic unit suggests:

Just an observation that it is an unusual grad course,  
apparently a result of NSF VIGRE requirement.

*Bruce W. Womack (Assoc. Chair) 2/5/07*

Signature of Department Chair  
(if applicable)

Signature of Graduate Studies Chair (if



02/21/07