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FEB 20 2012

The University Of Toledo  
GRADUATE STUDIES  
Existing Course Modification Form

Please enter the changes below to each existing course. If changes are too extensive for this format, attach a page with all information

Administrative Use Only	
Code: CM	<input type="text"/>
Date Received:	<input type="text"/> / <input type="text"/> / <input type="text"/> (mm/dd/yyyy)
Effective Date:	<input type="text"/> / <input type="text"/> / <input type="text"/> (mm/dd/yyyy)
CIP Code (if changed):	<input type="text"/>
Subsidy (if changed):	<input type="text"/>

College: ARS

Dept/Academic Unit: MATH

Contact Person: Paul Hewitt

Phone: 530-2138

Email: paul.hewitt@utoledo.edu

Present

Proposed

Supply all information asked for in this column.

Fill in appropriate blanks only where entry differs

(Supply core and transfer module info if applicable.)

from first column

Course Alpha/Numeric: MATH  
6600

Course Alpha/Numeric:

Course Title

Course Title:

STATISTICAL CONSULTING I

Credit Hours:

Credit Hours: 3

2

CrossListings

CrossListings:

Math 8600

Prerequisite(s)

Prerequisite(s):

PERMISSION OF INSTRUCTOR

Catalog Description (only if changed).

Catalog Description (only if changed).

Univ Core     Engl     Hum     Math     Sci     Soc Sci  
 US Culture     Non-US Culture  
 Transfer Module:     Arts & Humanity     Engl     Math  
 Social Science     Natural Science & Physics

Univ Core     Engl     Hum     Math     Sci     Soc Sci  
 US Culture     Non-US Culture  
 Transfer Module:     Arts & Humanity     Engl     Math  
 Social Science     Natural Science & Physics

Reason for change

The course has always had 3 contact hours. The change will regularize student plans of study and more honestly acknowledge workload. Nobody seems to remember exactly why it had seemed necessary to list it previously as 2 credit hours.

Has course content changed?  No     Yes    If so, give a brief topical outline of the revised course below

[Empty rectangular box]

Has the course changed from a non-core curriculum course to a core curriculum course?  No  Yes If so, explain how this course fulfills the [core curriculum/general education guidelines](#).

[Empty rectangular box]

List any course or courses to be dropped

Effective Date / / (mm/dd/yyyy)

**Approval:**

Department Curriculum Authority:

[Signature]

Date 10 / 31 / 2011 (mm/dd/yyyy)

Department Chairperson:

[Signature]

Date 11 / 04 / 2011 (mm/dd/yyyy)

College Curriculum Authority:

[Signature]

Date 2 / 15 / 2012 (mm/dd/yyyy)

College Dean

[Signature]

Date 2 / 15 / 2012 (mm/dd/yyyy)

After college approval, submit the original signed form to the Faculty Senate (UH 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

UUCG or Graduate Council Curriculum Chair

[Signature]

Date 3 / 20 / 2012 (mm/dd/yyyy)

Faculty Senate Core Curriculum Committee Chair

[Signature]

Date / / (mm/dd/yyyy)

Office of the Provost

[Signature]

Date / / (mm/dd/yyyy)

Registrar's Office

[Signature]

Date / / (mm/dd/yyyy)



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COLLEGE OF  
GRADUATE STUDIES

February 8, 2012

### Addendum to Course Modification Proposal for MATH 6600/8600

This course has 3 contact hours but currently counts only for two credits. It is proposed to make it count for three credits. The course focuses on preparing students for real world challenges. It aims at integrating and applying the knowledge students acquire in the graduate statistics curriculum such as linear models, generalized linear models and multivariate data analysis. It emphasizes professional standards, interpersonal skills necessary for effective statistical consulting, in particular the essentials for effective communication with clients such as oral presentation, interpretation of statistical analysis and writing up of reports.

Paul R. Hewitt, Associate Professor and Chairman  
Department of Mathematics and Statistics

Qin Shao, Associate Professor,  
Chair Graduate Curriculum



THE UNIVERSITY OF  
**TOLEDO**  
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**MEMORANDUM**

COLLEGE OF  
GRADUATE STUDIES

**To:** Karen Bjorkman, Distinguished University Professor and Dean,  
College of Natural Sciences and Mathematics

**Cc:** Anthony Quinn, Associate Professor,  
Chair - Curriculum Committee, CNSM Council

**From:** Paul Hewitt, Associate Professor and Chair,   
Department of Mathematics and Statistics

**Date:** February 10, 2012

**Subject:** Addenda to course modification proposals for MATH 5600/7600  
MATH 5610/7610, MATH 6600/8600, MATH 6610/8610

Recently DMS has submitted proposals to modify the listed courses from 2 credit hours to 3 credit hours. Since the 5000-level classes are cross-listed with 4000-level classes, then NSM council asked for additional information to make explicit the extra requirements for graduate credit in those classes. The recent instructors of these classes Drs. Qin Shao and Rong Liu have provided detailed descriptions of the extra requirements below.

For completeness they have also included additional information about the 6000-level classes, although this was not requested.

College of Natural Sciences and Mathematics

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