The University Of Toledo

Existing Graduate Course Modification Form

*denotes required fields

Contact Person*: `Don White`   Phone: `530-4502` (xxx - xxxx)   Email: `donald.white@utoledo.edu`

Present	**Proposed**
Supply all information asked for in this column.(Supply core, research intensive and transfer module info if applicable)	Fill in appropriate blanks only where entry differs from first column.

Present

College*: `College Nat Sci and Mathematics ▼`

Dept/Academic Unit*: `Mathematics & Statistics ▼`

Course Alpha/Numeric*: `MATH` - `5610`

Course Title:
`Applications of Statistics II`

Credit hours: Fixed: `3` or Variable: `____` to `____`

CrossListings:
`____`

`____`   [Insert]

`[                    ]` To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

[Remove]

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

`MATH 5600 FOR LEVEL GR WITH MIN. GRADE OF D-`

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

`____`

Catalog Description (*only if changed*) 75 words max:

Proposed

College: `College Nat Sci and Mathematics ▼`

Dept/Academic Unit: `Mathematics & Statistics ▼`

Course Alpha/Numeric: `MATH` - `5610`

Course Title:
`Advanced Statistical Methods II`

Credit Hours: Fixed: `3` or Variable: `____` to `____`

CrossListings:
`MATH 4610 MATH 7610`

`____`   [Insert]

`[                    ]` To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

[Remove]

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

`MATH 5600 FOR LEVEL GR WITH MIN. GRADE OF C-`

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

`____`

Catalog Description (*only if changed*) 75 words max:

| Continuation of Applications of Statistics I | Statistical/biostatistical concepts and methods. Broad subject categories that may be included are study design, longitudinal data analysis, survival analysis, logistic regression, random and mixed effects models. Other topics applicable to current statistical consulting projects, or related to modern data analytics, may be introduced. Appropriate statistical software will be |

Has course content changed?
◉ Yes   ○ No

If course content is changed, give a brief topical outline of the revised course below(less than 200 words)

The ultimate goal of this course is to provide a foundation for the material typically seen when engaged in statistical consulting, particularly at an institution with a strong biomedical research component. Applications to engineering and business data analytics are also prevalent.

Proposed effective term*: 201640   (e.g. 201140 for 2011 Fall)

Required.

File Type	View File
Syllabus	View

List any course or courses to be deleted.
[   ]   Effective Date: [   ] 📅
[   ]   Effective Date: [   ] 📅

Comments/Notes:

The refocused purpose of this course is to provide the students with a broad foundation in statistical methods useful for statistical consulting and statistical work in other contexts. From that foundation, the student will be ready to off er statistical assistance as an expert for medium level tasks.

Revised by Don White 4/4/16

Rationale:

> The content of the old versions: Applications of Statistics I and II is being upgraded, updated, and rearranged to better fit current programmatic needs. This course modification was undertaken in conjunction with the revision of our Master's of Science in Statistics concentration. The prerequesite grade requirement change follows the change currently under consideration through the course amnesty for all courses in Mathematics and Statistics.

Approval:

		Date	
Department Curriculum Authority:	Trieu Le	Date	2016/03/22
Department Chairperson:	Donald B. White	Date	2016/03/22
College Curriculum Authority or Chair:	Michael Cushing	Date	2016/04/19
College Dean:	Karen Bjorkman	Date	2016/04/19
Graduate Council:	Constance Schall (GCEC 8.5.2016)	Date	2016/08/09
Dean of Graduate Studies:	Amanda Bryant-Friedrich	Date	2016/08/10
Office of the Provost :	marcia king-blandford	Date	2016/08/11

print

Administrative Use Only

Effective Date: 2016/08/22 (YYYY/MM/DD)

CIP Code:

Subsidy Taxonomy:

Program Code:

Instructional Level:

Registrar's Office Use Only

Processed in Banner on:

Processed in Banner by:

Banner Subject Code: [   ]

Banner Course Number: [   ]

Banner Term Code: [   ]

Banner Course Title: [   ]

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