



Document N: Course and Program Development: IMPACT AND APPROVAL SIGNATURES

See Course and Program Development Policy and Procedures (www.ubalt.edu/provost) for instructions.

SCHOOL: LAW MSB CAS CPA

CONTACT NAME: PHONE:

DEPARTMENT/DIVISION: DATE PREPARED:

PROPOSED SEMESTER OF IMPLEMENTATION: fall spring YEAR:

TYPE OF ACTION: add (new) deactivate modify other

LEVEL OF ACTION: noncredit undergraduate graduate other

ACTION BEING REQUESTED (select one category, either Course Actions or Program Actions):

COURSE ACTIONS

PROGRAM ACTIONS

Original Subject Code/Course Number:

Original Program Title:

Original Course Title:

Select one or multiple actions from one of the lists below (review the list of necessary documents and signatures):

| COURSE ACTIONS | |
|-------------------------------------|--------------------------|
| <input type="checkbox"/> | 1. Experimental Course |
| <input type="checkbox"/> | 2. Course Title |
| <input type="checkbox"/> | 3. Course Credits |
| <input type="checkbox"/> | 4. Course Number |
| <input type="checkbox"/> | 5. Course Level |
| <input type="checkbox"/> | 6. Pre- and Co-Requisite |
| <input type="checkbox"/> | 7. Course Description |
| <input checked="" type="checkbox"/> | 8. New Course |
| <input type="checkbox"/> | 9. Deactivate Course |
| <input type="checkbox"/> | 22. Other |

| PROGRAM ACTIONS | |
|--------------------------|-------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | 10. Program Requirements |
| <input type="checkbox"/> | 11a. Undergraduate Specialization (Fewer than 24 credits) |
| <input type="checkbox"/> | 11b. Master's Specialization (Fewer than 12 credits) |
| <input type="checkbox"/> | 11c. Doctoral Specialization (Fewer than 18 credits) |
| <input type="checkbox"/> | 12. Minor (add or delete) |
| <input type="checkbox"/> | 13. Closed Site Program |
| <input type="checkbox"/> | 14. Program Suspension |
| <input type="checkbox"/> | 15. Program Reactivation |
| <input type="checkbox"/> | 16a. Certificate Program (UG/G) exclusively within existing degree program |
| <input type="checkbox"/> | 16b. Certificate Program (UG/G) outside of or across degree programs (12 or more credits) |
| <input type="checkbox"/> | 17. Off-Campus Delivery of Existing Programs |
| <input type="checkbox"/> | 18a. Undergraduate Concentration (24 or more credits) |
| <input type="checkbox"/> | 18b. Master's Concentration (12 or more credits) |
| <input type="checkbox"/> | 18c. Doctoral Concentration (18 or more credits) |
| <input type="checkbox"/> | 19. Program Title Change |
| <input type="checkbox"/> | 20. Program Termination |
| <input type="checkbox"/> | 21. New Degree Program |
| <input type="checkbox"/> | 22. Other |


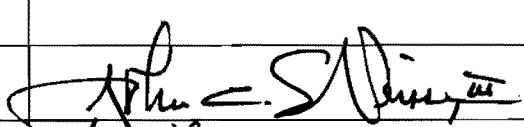
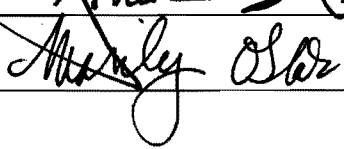
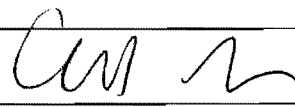
ADDITIONAL DOCUMENTATION (check all appropriate boxes of documents included; review the list of necessary documents):

- summary proposal (O)
 course definition document (P)
 full five-page MHEC proposal (Q)
 financial tables (MHEC) (R)
 other documents as may be required by MHEC/USM (S)
 other (T)

IMPACT REVIEW (review the list of necessary signatures):

| Impacted Entity | Signature | Date |
|------------------------------------------------------------------------------------------------------------------|-----------|------|
| a. Library <input type="checkbox"/> no impact <input type="checkbox"/> impact statement attached | | |
| b. OTS <input type="checkbox"/> no impact <input type="checkbox"/> impact statement attached | | |
| c. University Relations <input type="checkbox"/> no impact <input type="checkbox"/> impact statement attached | | |
| d. Admissions <input type="checkbox"/> no impact <input type="checkbox"/> impact statement attached | | |
| e. Records <input type="checkbox"/> no impact <input type="checkbox"/> impact statement attached | | |

APPROVAL SEQUENCE (review the list of necessary signatures):

| Approval Level | Signature | Date |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|
| A. Department/Division (Chair) |  | 12/5/13 |
| B. General Education (for No. 7, 8) | | |
| C. Final Faculty Review Body Within Each School (Chair) |  | 12/11/13. |
| D. Dean |  | 12/5/13 |
| E. University Faculty Senate (Chair) | | |
| F. University Council (Chair) ¹ | | |
| G. Provost and Senior Vice President for Academic Affairs |  | 4-2-14 |
| H. President | | |
| I. Board of Regents (notification only) | | |
| J. Board of Regents (approval) | | |
| K. MHEC (notification only) | | |
| L. MHEC (approval) | | |
| M. Middle States Association notification | Required only if the University's mission is changed by the action | |

¹ University Council *review* (for recommendation to the president or back to the provost) shall be limited to curricular or academic policy issues that may potentially affect the University's mission and strategic planning, or have a significant impact on the generation or allocation of its financial resources.



Document O: Course and Program Development: SUMMARY PROPOSAL

See Course and Program Development Policy and Procedures (www.ubalt.edu/provost) for instructions.

SCHOOL: LAW MSB CAS CPA

CONTACT NAME: PHONE:

DEPARTMENT/DIVISION: DATE PREPARED:

PROPOSED SEMESTER OF IMPLEMENTATION: fall spring YEAR:

ACTION BEING REQUESTED (select one category, either Course Actions or Program Actions):

COURSE ACTIONS

PROGRAM ACTIONS

Original Subject Code/Course Number:

Original Program Title:

Original Course Title:

Select one or multiple actions from one of the lists below (review the [list of necessary documents and signatures](#)):

| COURSE ACTIONS | |
|-------------------------------------|--------------------------|
| <input type="checkbox"/> | 1. Experimental Course |
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| <input type="checkbox"/> | 3. Course Credits |
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| <input type="checkbox"/> | 5. Course Level |
| <input type="checkbox"/> | 6. Pre- and Co-Requisite |
| <input type="checkbox"/> | 7. Course Description |
| <input checked="" type="checkbox"/> | 8. New Course |
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| PROGRAM ACTIONS | |
|--------------------------|-------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | 10. Program Requirements |
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| <input type="checkbox"/> | 15. Program Reactivation |
| <input type="checkbox"/> | 16a. Certificate Program (UG/G) exclusively within existing degree program |
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| <input type="checkbox"/> | 17. Off-Campus Delivery of Existing Programs |
| <input type="checkbox"/> | 18a. Undergraduate Concentration (24 credits or more) |
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| <input type="checkbox"/> | 19. Program Title Change |
| <input type="checkbox"/> | 20. Program Termination |
| <input type="checkbox"/> | 21. New Degree Program |
| <input type="checkbox"/> | 22. Other |

For changes to existing courses:

| | | | | | |
|-----------|----------------------|-------------------------|----------------------|---------|----------------------|
| OLD TITLE | <input type="text"/> | SUBJECT CODE/COURSE NO. | <input type="text"/> | CREDITS | <input type="text"/> |
| NEW TITLE | <input type="text"/> | SUBJECT CODE/COURSE NO. | <input type="text"/> | CREDITS | <input type="text"/> |

DESCRIBE THE REQUESTED COURSE/PROGRAM ACTION (additional pages may be attached if necessary):

Add a new course for MBA foundation effective Fall 2014; OPRE 505 (1.5 credit hours) - Fundamentals of Statistics

SET FORTH THE RATIONALE FOR THIS PROPOSAL:

New course for MBA redesign. See MBA program change documents for description of redesigned MBA program.



DOCUMENT P: COURSE DEFINITION

See Course and Program Development Policy and Procedures (<http://www.ubalt.edu/template.cfm?page=257>) for instructions.

1. DATE PREPARED – 11/25/2013

2. PREPARED BY – Danielle C. Fowler, Ph.D

3. DEPARTMENT/DIVISION – Information Systems and Decision Science

4. COURSE NUMBER(S) with SUBJECT CODE(S) – OPRE 505

5. COURSE TITLE – Fundamentals of Statistics

6. CREDIT HOURS – 1.5

7. CATALOG DESCRIPTION - Emphasizes applications of descriptive statistics in business. Topics include basic probability concepts, summary measures of location and dispersion, discrete and continuous probability distributions, sampling distribution of mean, and introductions to confidence interval estimation and hypothesis testing. Excel-based software is used for computer implementation.

8. PREREQUISITES – graduate standing

9. COURSE PURPOSE (how the course is to be used in the curriculum; e.g., required for the major, elective, etc.) – Foundation course for MBA, as well as select M.S. programs.

10. GENERAL EDUCATION AREA (if applicable; e.g., social sciences, humanities, mathematics, etc.)

11. COURSE TYPE/COMPONENT (clinical, continuance, discussion, field studies, independent study, laboratory, lecture, practicum, research, seminar, supervision, thesis research, tutorial or workshop; **this must match PeopleSoft 9.0 coding, so check with your dean's office if you are unsure of the correct entry**) – Lecture

12. FACULTY QUALIFIED TO TEACH COURSE – Academically qualified faculty at UB and TU

13. CONTENT OUTLINE –

| Date | Topics | Readings | Assignments |
|--------|-----------------------------------------------------------------|------------------------|--------------|
| Week 1 | Defining and Collecting Data Organizing and Visualizing Data | Chapter 1 Chapter 2 | Assignment 1 |
| Week 2 | Numerical Descriptive Measures | Chapter 3 | Assignment 2 |
| Week 3 | Basic Probability Discrete Probability Distributions | Chapter 4 Chapter 5 | Assignment 3 |
| Week 4 | Normal Distribution and Other Continuous Distributions | Chapter 6 | Assignment 4 |
| Week 5 | Sampling Distributions Confidence Interval Estimation | Chapter 7 Chapter 8 | Assignment 5 |
| Week 6 | Fundamentals of Hypothesis Testing: One Sample Tests | Chapter 9 | Assignment 6 |
| Week 7 | Final Exam | | |

14. LEARNING GOALS –

- Express the scope and importance of statistical applications in business.
- Construct tables and charts and interpret summarization procedures for both quantitative and qualitative data.
- Use discrete and continuous probability measures in the decision making process.
- Collect different types of samples and infer about population parameters.
- Design confidence intervals and hypothesis test to make inferences about a population mean.

15. ASSESSMENT STRATEGIES – Assignments and case analysis; forum discussion; final exam

16. SUGGESTED TEXT(S) and MATERIALS (e.g. textbooks, equipment, software, etc., that students must purchase) -
David Levine, David Stephan, and Kathryn Szabat, Statistics for Managers Using Microsoft Excel, 7th edition, 2014, Pearson

17. SPECIAL GRADING OPTIONS (if applicable)

18. SUGGESTED CLASS SIZE – Maximum 30

19. LAB FEES (if applicable)