

Proposal Status: Workflow Started

FULL PROPOSAL: Substantive Change(s) to a Course

Title of proposal (must begin with department abbreviation): MGT

Place an X next to the ones that apply:

<input type="checkbox"/>	Significant modification of course content by the addition or removal of topics embodied in the original course proposal.
<input type="checkbox"/>	Changing the course number by multiples of 1000 (e.g., 1230 to 2230 or 4320 to 3320)
<input type="checkbox"/>	Changing the credit hours awarded for the course
<input type="checkbox"/>	Changing course prerequisites or corequisites
<input checked="" type="checkbox"/>	Creating a new course

Effective date: Fall 2015

Contact information:

Spokesperson Name: Kathleen Wheatley	Department: MGT
Building: Fletcher	Office Number:405
Phone Extension: 2104	Email: Kathleen-Wheatley@utc.edu

Faculty of the originating department approved this proposal on 8-25-14 (date)
by a vote of 13 aye votes; 0 nay votes; 0 abstentions; 2 eligible voting members absent

1. Description of proposed changes
New course MGT 3760

2. Rationale for requested change
Include any information and/or data which is being used to justify the change(s)
New course created as elective in the new MGT Business Analytics concentration.

3. Current course as listed in the Catalog

Prefix:	Number:
Title:	Credit Hours:
Prerequisites:	Co-Requisites:
Cross-listed courses:	

4. Current course description as listed in the Catalog

5. Proposed new course as it will be listed in the Catalog

Prefix: MGT	Number: 3760
Title: Silmulation Modeling	Credit Hours: 3
Prerequisites: MGT 3110, junior standing or department head approval	Co-Requisites:
Cross-listed courses:	

6. Proposed new description and program requirements to be listed in the Catalog (catalog copy)

Monte Carlo and Discrete-event simulation modeling and analysis of business system. Applications from a variety of business disciplines including marketing, operations, finance, scheduling, and staffing will be discussed. Spring semester. Prerequisites: MGT 3110, junior standing or department head approval. Differential course fee will be assessed.

Business Administration: Business Analytics, B.S.
Program Requirements

- ECON 1010 - Principles of Economics: Macroeconomics #
- ECON 1020 - Principles of Economics: Microeconomics #
- ANTH 1000 - Mysteries of the Human Journey # or
- PSY 1010 - Introduction to Psychology # or
- SOC 1510 - Introduction to Sociology #
- MGT 1000 - Computers In Business
- MATH 1130 - College Algebra #
- MATH 1830 - Calculus for Management, Life, and Social Sciences
(if exempted from MATH 1130, student must take MATH 1830)
- THSP 1090 - Public Speaking
- MGT 3100 - Business Communication or
- ENGL 2880 - Professional Writing

31 hours from the College of Business including:

- ACC 2010 - Principles of Accounting I
- ACC 2020 - Principles of Accounting II
- FIN 3020 - Essentials of Managerial Finance
- MGT 2110 - Statistical Methods for Business I #
- MGT 2120 - Statistical Methods for Business II
- MGT 3110 - Operations Management
- MGT 3150 - Management Concepts, Theory, and Practice
- MGT 3410 – Success Seminar: Career Development
- MGT 4400 - Strategic Management
- MKT 3130 - Principles of Marketing
- BUS 3350 - Legal Environment of Business

Proposal Status: Workflow Started

Business Analytics Program

21 hours including:

- MGT 3560 - Management Science
- MGT 3600 - Management Information Systems
- MGT 3660 - Business Forecasting
- MGT 4250 – Database and Data Warehouse
- MGT 4260 – Introduction to Business Analytics
- MGT 4270 – Advanced Business Analytics
- MGT 4280 – Supply Chain Management

3 hours chosen from:

- MGT 4380 - International Management
- MKT 3180 - International Marketing
- FIN 4120 - International Finance
- MGT 4950r - International Business Experience

9 hours chosen from:

- ACC 3050 - Managerial Cost Accounting
- MGT 3900r or BUS 3900r - Internship
(Only 3 credit hours in MGT 3900r or BUS 3900r may be used to satisfy program requirements.)
- MGT 3300 - Concepts in Organizational Behavior
- MGT 3310 - Organizational Motivation and Leadership
- MGT 3320 - Human Resource Management
- MGT 3760 – Simulation Modeling
- MGT 4140 - Managerial Decision-Making
- MKT 4150 - Business to Business Marketing
- ECON 4290 - Managerial Economics

Additional Information and Notes

2.0 GPA in all required major and related courses (including specified General Education courses).

A minimum of 54 hours of the 120 total must be taken at the 3000-4000 level.

Electives to complete 120 hours.

College of Business majors must complete a minimum of 51 hours from outside the College of Business.

At least 50 percent of the business credit hours required for the B.S. degree in Business Administration must be earned at UTC.

See Degree and Graduation Requirements for additional requirements.

*Also satisfies requirement in the major.

#Also satisfies general education requirement.

7. What is the instructional method for the course (Please select one)?

Lecture - Face-to-face Classroom Instruction

8. How will this course be graded (Please select one)?

Standard letter grade

9. What are the pedagogical objectives of the course?

This is a course in Monte Carlo and Discrete-event simulation for undergraduate students. The course will cover modeling, simulation, analysis of results, and use of simulation software such as ProModel and @Risk. Complete design, analysis, and mostly applications of Monte Carlo and Discrete-event simulation experiments will be emphasized. Applications will be taken mostly from manufacturing, healthcare, and service systems. The course will include the basic concepts of simulation as well as more advanced topics, which will make it possible for the students to simulate various systems and thoroughly understand how simulation can aid in better decision making processes. Topics include stochastic models for simulation, use of analytics for designing simulations and output analysis, and random variable and process generation. Other objectives of the course include:

- Develop competency in mathematical model formulation.
- Use computer technologies for simulating various systems.
- Analyze data and convert data to useful information.
- Use the information to enhance critical thinking.

10. Outline the student learning outcomes—a statement of the minimum expectations of students as they complete the course. You must list at least three outcomes.

This is a course in Monte Carlo and Discrete-event simulation for undergraduate students. The course will cover modeling, simulation, analysis of results, and use of simulation software such as ProModel and @Risk. Complete design, analysis, and mostly applications of Monte Carlo and Discrete-event simulation experiments will be emphasized. Applications will be taken mostly from manufacturing, healthcare, and service systems. The course will include the basic concepts of simulation as well as more advanced topics, which will make it possible for the students to simulate various systems and thoroughly understand how simulation can aid in better decision making processes. Topics include stochastic models for simulation, use of analytics for designing simulations and output analysis, and random variable and process generation. Other objectives of the course include:

- Develop competency in mathematical model formulation.
- Use computer technologies for simulating various systems.
- Analyze data and convert data to useful information.
- Use the information to enhance critical thinking.

11. How will students be assessed on the learning outcomes?

Students will be assessed using embedded measures in the course.

12. If this course changes the program curriculum map, please attach a copy of the updated curriculum map here.

Please see the direction at the end of this proposal for how to upload your curriculum map document.

Proposal Status: Workflow Started

13. Provide additional information about the course including (a) how often the course is to be offered, (b) who will be the routing instructor or course coordinator, and (c) what steps will be taken by the department to ensure its continued coverage (current expertise and interest within the department).

The course will be offered in the spring semester. Routine instructor to be determined. The MGT department has academically qualified instructors and one BA analytic faculty will be recruited in the approved line available from retirement.

14. Will the proposed changes require a change to the Clear Path Showcase (4-year plan)? If yes, please attach both current and revised clear path documents.

Please see the directions at the end of this proposal for how to upload your clear path document.

15. How will the proposed changes impact the ability of students to complete the degree requirements in a timely manner, and how will the proposed changes impact requirements in other departments or programs?

The proposed changes will not impact the ability of students to complete the degree requirements in a timely manner. This proposal will not impact the requirements in other departments or programs.

16. Will a laboratory/studio fee or other course fee be assessed? If yes, include a rationale for the fee assessment.

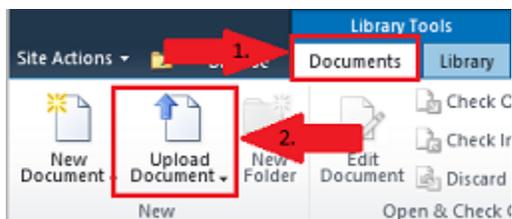
No

17. Does this change require new resources from the originating department or other departments (including the library)? If yes, please explain.

The college already has the necessary hardware and software resources. Therefore, there will be no financial impact.

Direction for uploading supporting documents:

1. To upload your model syllabus to the folder for your proposal go to <https://spaces.utc.edu/sites/UndergraduateProposal>.
2. Next, click on the name of your proposal under "My Proposals".
3. Click the "Documents" tab and then click the "Upload Document" tab.

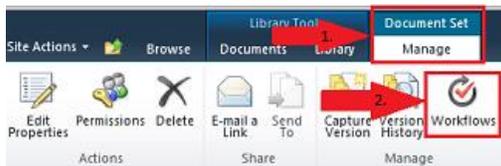


Important: After completing your proposal you must start the *Curriculum Proposal Workflow*.

To begin workflow:

Proposal Status: Workflow Started

1. Click on the name of your proposal below.
2. Next, click the "Document Set Manage" tab in the ribbon at the top of the page and select the "Workflows" button.



3. Under "Start a New Workflow" click "Curriculum Proposal Workflow" and then click the "Start" button.

Workflow Sequence for Full Proposal – Course Changes

1. Department Head
2. College Curriculum Committee
3. College Dean
4. Other Areas Affected (If any)
5. Records Office
6. Associate Provost
7. Provost (if a fee will be assessed)
8. Faculty Senate Curriculum Committee
9. Faculty Senate