Code # BU27 (2015) Rev2

**New Course Proposal Form**

**Undergraduate Curriculum Council** - Print 1 copy for signatures and save 1 electronic copy.

**Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to [pheath@astate.edu](mailto:pheath@astate.edu)

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| **New Course or**  **Experimental Course (1-time offering) (Check one box)**  *Please complete the following and attach a copy of the bulletin page(s) showing what changes are necessary.* |

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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

1. Contact Person (Name, Email Address, Phone Number)

Bill Hu, [xhu@astate.edu](mailto:xhu@astate.edu), 8709722470

2. Proposed Starting Term and Bulletin Year

Spring, 2017

3. Proposed Course Prefix and Number (Confirm that number chosen has not been used before. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*. )

FIN3723

4. Course Title – if title is more than 30 characters (including spaces), provide short title to be used on transcripts. Title cannot have any symbols (e.g. slash, colon, semi-colon, apostrophe, dash, and parenthesis). Please indicate if this course will have variable titles (e.g. independent study, thesis, special topics).

FIN ANALYTICS AND MODELING

5. Brief course description (40 words or fewer) as it should appear in the bulletin.

Fundamental techniques and best practices for financial analysis and modeling.

6. Prerequisites and major restrictions. (Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

1. Are there any prerequisites? Yes
   1. If yes, which ones?

FIN3713

* 1. Why or why not?

This course is built upon fundamental financial knowledge covered in FIN3713.

1. Is this course restricted to a specific major? Choose an item.
   1. If yes, which major? Enter text...

7. Course frequency(e.g. Fall, Spring, Summer). *Not applicable to Graduate courses.*

Fall, Spring

8. Will this course be lecture only, lab only, lecture and lab, activity, dissertation, experiential learning, independent study, internship, performance, practicum, recitation, seminar, special problems, special topics, studio, student exchange, occupational learning credit, or course for fee purpose only (e.g. an exam)? Please choose one.

Lecture and lab

9. What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental)?

standard letter

10. Is this course dual listed (undergraduate/graduate)?

No

11. Is this course cross listed? (If it is, all course entries must be identical including course descriptions. It is important to check the course description of an existing course when adding a new cross listed course.)

No

1. If yes, please list the prefix and course number of cross listed course.

Enter text...

1. Are these courses offered for equivalent credit? No

Please explain. Enter text...

12. Is this course in support of a new program? No

a. If yes, what program?

Enter text...

13. Does this course replace a course being deleted? No

a. If yes, what course?

Enter text...

14. Will this course be equivalent to a deleted course? No

a. If yes, which course?

Enter text...

15. Has it been confirmed that this course number is available for use? Yes

*If no: Contact Registrar’s Office for assistance.*

16. Does this course affect another program? No

If yes, provide contact information from the Dean, Department Head, and/or Program Director whose area this affects.

Enter text...

**Course Details**

17. Outline (The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

Week 1: Basic spreadsheet financial modeling skills

Week 2: Intermediate spreadsheet financial modeling skills

Week 3: Specification of financial model outputs and inputs

Week 4: Data issues in financial modeling

Week 5: Financial model selection or development

Week 6: Financial model testing and validation

Week 7: Sensitivity and break-even analysis

Week 8: Scenario analysis

Week 9: Monte Carlo simulation

Week 10: Advanced spreadsheet financial modeling skills

Week 11: Financial statements modeling

Week 12: Financial forecasting

Week 13: Cases in financial modeling

Week 14: Student presentations

18. Special features (e.g. labs, exhibits, site visitations, etc.)

Labs

19. Department staffing and classroom/lab resources

Dawson Capital Market Lab

1. Will this require additional faculty, supplies, etc.?

No

20. Does this course require course fees? No

*If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Course Justification**

21. Justification for course being included in program. Must include:

a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

There is a strong demand for financial analysis and modeling skills evidenced by both college of business alums feedbacks and the instructor’s consulting with Fortune 500 firms. The goals for the course are at least threefold: 1) financial analytics; 2) financial forecasting; and 3) financial modeling.

b. How does the course fit with the mission established by the department for the curriculum? If course is mandated by an accrediting or certifying agency, include the directive.

The College of Business’ mission statement is to provide a high quality management education to students by emphasizing such skills as leadership, technology, decision making, and social responsibility. This course will provide students with the analytical and technological skills necessary to improve their decision making capabilities.

c. Student population served.

All business students, especially finance majors.

d. Rationale for the level of the course (lower, upper, or graduate).

As an upper level course, students will have needed to complete the introductory finance and accounting courses so as to be able to draw knowledge from all of these sources as well as general education received to develop financial analytics, forecasting and modeling skills for real world problems.

**Assessment**

**University Outcomes**

22. Please indicate the university-level student learning outcomes for which this new course will contribute. Check all that apply.

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| * 1. Global Awareness | * 1. Thinking Critically | * 1. Information Literacy |

**Relationship with Current Program-Level Assessment Process**

23. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

The course aligns with key program level outcomes: 1. Apply basic financial tools to value financial products. 2. Use financial statements to appropriately evaluate firm performance and determine value of the firm. 3. Project cash flows associated with corporate project evaluation.

The primary learning outcome is for students to be able to use technological tools as well as financial analytics and forecasting knowledge to solve real world business problems.

24. Considering the indicated program-level learning outcome/s (from question #23), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989. I*

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| **Program-Level Outcome 1 (from question #23)** | Use financial statements to appropriately evaluate firm performance and determine value of the firm. |
| Assessment Measure | Direct measure: We will include on an examination questions that require students to use financial statements to appropriately evaluate firm performance and determine value of the firm.  Indirect measure: Survey of Finance majors or MFAT (Major Field Assessment Test). |
| Assessment  Timetable | Once every three years, beginning Spring 2017. |
| Who is responsible for assessing and reporting on the results? | Finance faculty and department chair are responsible for assessing, evaluating, analyzing results, developing actions plans, and closing the loop. |

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| **Program-Level Outcome 2 (from question #23)** | Project cash flows associated with corporate project evaluation. |
| Assessment Measure | Direct measure: We will include on an examination questions that require students to project cash flows associated with corporate project evaluation.  Indirect measure: Survey of Finance majors or MFAT (Major Field Assessment Test). |
| Assessment  Timetable | Once every three years, beginning Spring 2017. |
| Who is responsible for assessing and reporting on the results? | Finance faculty and department chair are responsible for assessing, evaluating, analyzing results, developing actions plans, and closing the loop. |

*(Repeat if this new course will support additional program-level outcomes)*

**Course-Level Outcomes**

25. What are the course-level outcomes for students enrolled in this course and the assessment measures and benchmarks for student-learning success?

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| **Outcome 1** | Conduct financial analytics to evaluate firm performance |
| Which learning activities are responsible for this outcome? | Use of problems, lectures, and case studies to determine the business problem and define the end product as well as the key inputs needed to complete the task. |
| Assessment Measure and Benchmark | Direct measurement through problems and case studies. Ability to define, collect, and validate data that is needed to complete a task. The desired level of learning is in-depth learning. |

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| **Outcome 2** | Forecast cash flows associated with capital budgeting and valuation |
| Which learning activities are responsible for this outcome? | Use of problems, lectures, and case studies to determine and build the appropriate financial models for the business problem and produce baseline and dynamic outputs in response to changes in real world scenarios. |
| Assessment Measure and Benchmark | Direct measurement through problems and case studies. Ability to choose and build financial models that produce baseline and dynamic outputs in response to changes in real world scenarios. The desired level of learning is in-depth learning. |

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| **Outcome 3** | Model financial problems and propose alternative solutions |
| Which learning activities are responsible for this outcome? | Use of problems, lectures, and case studies to analyze the outputs from financial models for the business problem, conduct sensitivity/scenario/simulation analysis and make recommendations. |
| Assessment Measure and Benchmark | Direct measurement through problems and case studies. Ability to analyze the outputs, conduct sensitivity/scenario/simulation analysis and make recommendations. The desired level of learning is in-depth learning. |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)  - New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font).  - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)  *You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.*  *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

Finance (FIN)

FIN 2013. Personal Asset Management Financial assets as vehicles for saving for the future, investments in combinations of assets to meet financial objectives, and how the financial objectives will change over the life span of the investor. Fall, Spring.

FIN 3713. Business Finance  Legal forms of American business organization, policies, methods, and institutions involved in financing business. The principles of financial management will be studied with emphasis on the corporation, including cash flows, securities, financial structures, expansion, and acquisitions. Prerequisite, ACCT 2133 or 2023. Fall, Spring, Summer.

***FIN3723 Financial Analytics and Modeling***

***Fundamental techniques and best practices for financial analysis and modeling. Prerequisites, FIN 3713. Fall, Spring.***

FIN 3733. Personal Finance Concerned with management of the personal financial resources of the individual and the family. Provides guidance for consumer purchasing and credit, personal insurance, taxation, investing, estate planning, and social security. Designed for non-business majors, course counts only as a free elective, except where required in major. Demand.

FIN 3763. Financial Institutions and Markets An in depth study of financial institutions such as banks, savings and loans, insurance companies and financial markets. Primary emphasis will be on depository institutions. Prerequisite, FIN 3713. Fall, Spring.

FIN 3773. Financial Risk Management An in depth study of financial risks facing banks, such risks as those arising from fixed income and foreign exchange investments will be covered. Fall.

FIN 3813. International Financial Management and Banking  Study of financial concepts and issues in banking as they relate to business decisions in a global economy. Demand.

FIN 4013. Financial Wealth Management The application of financial planning topics to realistic scenarios and case studies involving personal and small business financial planning. Prerequisites, FIN 2013 or 4723. Corequisites, ACCT 4013, ACCT 4163, and LAW 4043. Spring.

FIN 4293. New Venture Financing Introduction to the dynamic challenges facing new business ventures in securing financial backing to support growth and development. Venture capital, internally generated funding and external sources of funding will be discussed along with debt and equity financing. Demand.

FIN 4723. Investments Security investment, the tools of investment analysis, the formulation of investment policy and the role of the individual investor in the economy. Prerequisite, FIN 3713. Fall, Spring.

FIN 4743. Managerial Finance Emphasis on principles and tools for analysis and decision making in working capital management. Studies include cash flow forecasting, inventory model applications, sources and uses of funds analysis, trade credit policies, and techniques of short and intermediate term sales forecasting. Prerequisite, FIN 3713. Spring.

FIN 4753. Capital Management  Analysis of the management aspects relating to the inflows and outflows of permanent capital in business enterprises. Examines the management of long-term assets, long-term credit, equity and internal financing. Corporate expansion including mergers, acquisitions, corporate reorganization, and bankruptcies. Prerequisite: FIN 3713. Fall, Spring.

FIN 4763. Bank Management Principles used in the management of commercial banks, relating to loans, credit analysis, security portfolios, analysis and interpretations of Federal Reserve regulations and publications. Prerequisite, FIN 3713. Fall.

FIN 4773. Advanced Bank Management Applications of financial management techniques to ban management decisions through experiential learning opportunities. Computer based analysis, simulations, and written and oral presentations. Prerequisite, FIN 4763. Spring.

FIN 4783. Internship in Bank Management Supervised work experience with bank management in an appropriate banking environment. To earn intern credit, each student is expected to spend six to eight hours per week for 15 weeks or the equivalent at the bank. Prerequisites, Junior or Senior standing is required. Fall, Spring, Summer.

FIN 489V. Special Problems in Finance  Individual problems in finance arranged in consultation with the instructor. Must be approved by department chair. Fall, Spring, Summer.