1. General Information

1a. Submitted by the College of: BUSINESS AND ECONOMICS

   Date Submitted: 12/10/2015

1b. Department/Division: B&E Economics

1c. Contact Person

   Name: William Hoyt

   Email: whoyt@uky.edu

   Phone: 257-2518

   Responsible Faculty ID (if different from Contact)

   Name:

   Email:

   Phone:

1d. Requested Effective Date: Specific Term/Year [1]   Spring 2017

1e. Should this course be a UK Core Course?   No

2. Designation and Description of Proposed Course

2a. Will this course also be offered through Distance Learning?:   No

2b. Prefix and Number: ECO 625

2c. Full Title: Predictive Models and Forecasting

2d. Transcript Title: Econometrics II

2e. Cross-listing:

2f. Meeting Patterns

   LECTURE: 45

2g. Grading System: Graduate School Grade Scale

2h. Number of credit hours: 3

2i. Is this course repeatable for additional credit?   No

   If Yes: Maximum number of credit hours:

   If Yes: Will this course allow multiple registrations during the same semester?

2j. Course Description for Bulletin: This course provides students with an overview of modern techniques in the forecast of time series used in a variety of applications in the private and public sectors including revenue and sales forecasting. Asan applied course the techniques will be motivated by specific practical problems and will be put to use in forecasting practices. The course covers auto-regressive and moving average models, distributed lag models, forecasting, Vector Auto-Regression, unit roots and testing, and auto-regressive conditional heteroskedasticity.

2k. Prerequisites, if any: ECO 623 or its equivalent.

2l. Supplementary Teaching Component:

3. Will this course taught off campus?   No

   If YES, enter the off campus address:

4. Frequency of Course Offering: Spring,

   Will the course be offered every year?:   Yes

   If No, explain:

5. Are facilities and personnel necessary for the proposed new course available?:   Yes

   If No, explain:

6. What enrollment (per section per semester) may reasonably be expected?: 30

7. Anticipated Student Demand

   Will this course serve students primarily within the degree program?:   Yes

   Will it be of interest to a significant number of students outside the degree pgm?:   No

   If Yes, explain:

8. Check the category most applicable to this course: Traditional – Offered in Corresponding Departments at Universities Elsewhere,

   If No, explain:

9. Course Relationship to Program(s).

   a. Is this course part of a proposed new program?:   No

   If YES, name the proposed new program:

   b. Will this course be a new requirement for ANY program?:   Yes

   If YES, list affected programs: MS, Economics

10. Information to be Placed on Syllabus.

   a. Is the course 400G or 500?:   No

   b. The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from **10.a** above) are attached: Yes

Distance Learning Form

Instructor Name:

Instructor Email:

Internet/Web-based: No

Interactive Video: No

Hybrid: No

1.How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations?

2.How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc.

3.How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc.

4.Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above?

If yes, which percentage, and which program(s)?

5.How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?

6.How do course requirements ensure that students make appropriate use of learning resources?

7.Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.

8.How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (http://www.uky.edu/UKIT/)?

9.Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)?   NO

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10.Does the syllabus contain all the required components?   NO

11.I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name:

SIGNATURE|MKT210|Steven J Skinner|ECO 625 NEW College Review|20150327

SIGNATURE|ZNNIKO0|Roshan Nikou|ECO 625 NEW Graduate Council Review|20150410

SIGNATURE|JEL224|Janie S Ellis|ECO 625 NEW Senate Council Review|20151109

SIGNATURE|WHOYT|William H Hoyt|ECO 625 NEW Approval Returned to Dept|20151110

SIGNATURE|JEL224|Janie S Ellis|ECO 625 NEW Senate Council Review|20151209

SIGNATURE|WHOYT|William H Hoyt|ECO 625 NEW Approval Returned to Dept|20151209

SIGNATURE|MKT210|Steven J Skinner|ECO 625 NEW College Review|20150327

Courses	Request Tracking

New Course Form

https://myuk.uky.edu/sap/bc/soap/rfc?services=

Generate R

Open in full window to print or save

Attachments:

[Browse...]   Upload File

	ID	Attachment
Delete	4810	ECO 625 Syllabus (Econometrics II).docx

[First] 1 [Last]

[Select saved project to retrieve...]   Get   New   Go to Request Tracking Page

(*denotes required fields)

1. **General Information**

   a. * Submitted by the College of: [BUSINESS AND ECONOMICS ▼]   Submission Date: 12/10/2015

   b. * Department/Division: [B&E Economics ▼]

   c.
   * Contact Person Name: William Hoyt   Email: whoyt@uky.edu   Phone: 257-2518

   * Responsible Faculty ID (if different from Contact)   Email: Phone:

   d. * Requested Effective Date: ○ Semester following approval OR ◉ Specific Term/Year [1] Spring 2017

   e.
   Should this course be a UK Core Course?   ○ Yes ◉ No

   If YES, check the areas that apply:

   ☐ Inquiry - Arts & Creativity   ☐ Composition & Communications - II

   ☐ Inquiry - Humanities   ☐ Quantitative Foundations

   ☐ Inquiry - Nat/Math/Phys Sci   ☐ Statistical Inferential Reasoning

   ☐ Inquiry - Social Sciences   ☐ U.S. Citizenship, Community, Diversity

   ☐ Composition & Communications - I   ☐ Global Dynamics

2. **Designation and Description of Proposed Course.**

   a. * Will this course also be offered through Distance Learning?   ○ Yes [4] ◉ No

   b. * Prefix and Number: ECO 625

   c. * Full Title: Predictive Models and Forecasting

   d. Transcript Title (if full title is more than 40 characters): Econometrics II

   e. To be Cross-Listed [2] with (Prefix and Number):

   f. * Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours[3] for each meeting pattern type.

45	Lecture		Laboratory[1]		Recitation		Discussion
	Indep. Study		Clinical		Colloquium		Practicum
	Research		Residency		Seminar		Studio
	Other	If Other, Please explain:					

   g. * Identify a grading system:
   ○ Letter (A, B, C, etc.)
   ○ Pass/Fail
   ○ Medicine Numeric Grade (Non-medical students will receive a letter grade)
   ◉ Graduate School Grade Scale

   h. * Number of credits: 3

   i. * Is this course repeatable for additional credit?   ○ Yes ◉ No
   If YES: Maximum number of credit hours:
   If YES: Will this course allow multiple registrations during the same semester? ○ Yes ○ No

j. * Course Description for Bulletin:

This course provides students with an overview of modern techniques in the forecast of time series used in a variety of applications in the private and public sectors including revenue and sales forecasting. Asan applied course the techniques will be motivated by specific practical problems and will be put to use in forecasting practices. The course covers auto-regressive and moving average models, distributed lag models, forecasting, Vector Auto-Regression, unit roots and testing, and auto-regressive conditional heteroskedasticity.

k. Prerequisites, if any:

ECO 623 or its equivalent.

l. Supplementary teaching component, if any: ○ Community-Based Experience ○ Service Learning ○ Both

3. * Will this course be taught off campus?　　○ Yes ◉ No

   If YES, enter the off campus address:

4. Frequency of Course Offering.

   a. * Course will be offered (check all that apply):　□ Fall　☑ Spring　□ Summer　□ Winter

   b. * Will the course be offered every year?　　◉ Yes ○ No

      If No, explain:

5. * Are facilities and personnel necessary for the proposed new course available?　　◉ Yes ○ No

   If No, explain:

6. * What enrollment (per section per semester) may reasonably be expected?　　30

7. Anticipated Student Demand.

   a. * Will this course serve students primarily within the degree program?　　◉ Yes ○ No

   b. * Will it be of interest to a significant number of students outside the degree pgm?　　○ Yes ◉ No

      If YES, explain:

8. * Check the category most applicable to this course:

   ☑ Traditional – Offered in Corresponding Departments at Universities Elsewhere
   ☐ Relatively New – Now Being Widely Established
   ☐ Not Yet Found in Many (or Any) Other Universities

9. Course Relationship to Program(s).

   a. * Is this course part of a proposed new program?　　○ Yes ◉ No

      If YES, name the proposed new program:

   b. * Will this course be a new requirement [5] for ANY program?　　◉ Yes ○ No

      If YES [6], list affected programs::

      MS, Economics

10. Information to be Placed on Syllabus.

    a. * Is the course 400G or 500?　　○ Yes ◉ No
       If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in **10.b.** You must include: (i) identi additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR

    b. ☑ * The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if appl **10.a** above) are attached.

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[1] Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.
[2] The chair of the cross-listing department must sign off on the Signature Routing Log.
[3] In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, re two hours per week for a semester for one credit hour. (from SR 5.2.1)

[3] You must also submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.
[4] In order to change a program, a program change form must also be submitted.

Rev 8/09

12/10/2015

Save Current Changes

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