



Document # \_\_\_\_\_  
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**CATALOG YEAR 2010-2011**  
**(Please use separate form for each add/change)**

COLLEGE/SCHOOL/SECTION: College of Education

Current Catalog Page(s) Affected: pg. 398

**Course:** Add: X Delete: \_\_\_\_\_ Change: \_\_\_\_\_ Number \_\_\_\_\_ Title \_\_\_\_\_  
(check all that apply) SCH \_\_\_\_\_ Description \_\_\_\_\_ Prerequisite \_\_\_\_\_

If new, provide Course Prefix, Number, Title, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current catalog, provide change and attach page with changes in red and provide a brief justification.

**EDCI 6337 *Advanced Quantitative Research* 3 semester hours**

**Course Description:** This course is designed to enhance participants' knowledge of quantitative research methods. In this course, participants will refine a research topic, select and develop an appropriate theoretical foundation for the study of this topic and explain the research methods that can be used to study this topic, as well as the rationale for selecting these methods. Finally, participants will enhance their knowledge and skills regarding data analysis and representation of information.

**Justification:** Texas A & M University College Station and Texas A&M International University are offering a collaborative Ed.D. in Curriculum and Instruction. EDCI 6337 is scheduled to be offered in the fall 2010 for the current cohort of students. This course is one which is being taught by Texas A&M International University faculty and on the Texas A&M International University Campus.

**Program:** Add: \_\_\_\_\_ Change: \_\_\_\_\_ Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.

**Minor:** Add: \_\_\_\_\_ Delete: \_\_\_\_\_ Change: \_\_\_\_\_ Attach new/changed minor. If in current catalog, provide change and attach page with changes in red.

**Faculty:** Add: \_\_\_\_\_ Delete: \_\_\_\_\_ Change: \_\_\_\_\_ Attach new/changed faculty entry. If in current catalog, provide change and attach page with changes in red.

**College Introductory Pages:** Add information: \_\_\_\_\_ Change information: \_\_\_\_\_ Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

**Other:** Add information: \_\_\_\_\_ Change information: \_\_\_\_\_

Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:

	Signature	Date
Chair Department Curriculum Committee	<u>Jennifer M. Conrado</u>	<u>5-12-10</u>
Chair Department	<u>Cathy L. Guene</u>	<u>5-12-10</u>
Chair College Curriculum Committee	<u>[Signature]</u>	<u>5/12/10</u>
Dean	<u>[Signature]</u>	<u>5/12/10</u>

## EDCI 6337 Advanced Quantitative Research

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### **Student Learning Outcomes**

Participants will:

- Demonstrate their understanding of quantitative research and its different dimensions through class dialogues and discussions, reflective journal entries, and assignments.
- Refine their research topic for quantitative study.
- Select and develop an appropriate theoretical foundation for the study of the topic
- Select and explain the research methods that can be used to study the topic, as well as the rationale for selecting these methods
- Demonstrate knowledge and skills pertaining to data analysis and representation of information.

### **Instructional Activities:**

Participants will:

- Read critically all assigned readings and participate in class dialogues and discussions to demonstrate their understanding of the content, insights, and use of the content without dominating the conversation.
- Maintain a typewritten research journal of their assigned readings
- Prepare and submit a synthesis of these research journal entries, as appropriate.
- Complete a mid-term examination.
- Prepare and submit the major quantitative research project.

### Evaluation Criteria:

- Submission of typewritten research journal entries based on assigned readings (15%)
- Submission of typewritten synthesis of research journal entries (20%)
- Mid-term examination (25%)
- Completion of major research project (40%)

Final Grade will be determined as follows:

90-100 = A

80-89 = B

70-79 = C

< 70 = F and repeat course.

**Note.** Criteria for evaluating typewritten work will include, but not be limited to, accuracy of content, clarity, organization, thoroughness, format, and grammar usage, and mechanics.



Participants are expected to submit work on time. Any exception to this procedure must be cleared with the instructor beforehand. Participants submitting work late without making prior arrangements will automatically receive one letter grade lower than would have been earned.

Office Hours: 4:00-6:00 p.m. Monday – Thursday. All other times by appointment.

**Rubric for Research Journal Entries:**

- Name of individual preparing journal entry
- Name of selection and author(s) (5 points)
- Concise summary of the most salient points (40 points)
- Identification and explanation of at least one issue that participant would like to know more about or would like to have clarified. (20 points)
- Concise description of how participant envisions this entry may help advance his/her quantitative research knowledge and / or skills. (20 points)
- Work will be judged based on the following criteria: accuracy, clarity, organization, thoroughness, format, and grammar usage, and mechanics. (10 points)
- Entire entry should be no more than two typewritten double spaced pages in size 12 Times New Roman font. One inch margins should be maintained throughout journal entry. (5 points)

**Rubric for Each Synthesis of Research Journal Entries**

- Name of Individual Preparing Synthesis
- Explain your thoughts regarding the major concepts, principles, theories and / or themes discussed in the selections you have read. That is, what do you think about these issues? (25 points)
- Explain why you think as you do. Support your views with relevant examples and additional research, as appropriate. (25 points)
- Explain how these selections have influenced your thinking? (20 points)
- What are possible implications of this type of thinking? (15 points)

Include examples, as needed, to help convey your thoughts clearly. (10 points)