Research Thesis Proposal (CUE-495-R)

Faculty Submitted Proposal

Please provide answers to the following questions (attach answer sheet) in the order it appears below.

- 1. What is the name of the Research Thesis project?
- 2. What is the proposed description of the project (approximately total of 500 words see attached criteria)?
- 3. What are the expected outcomes of the project?
- 4. Who will be overseeing the project (Faculty Thesis Advisor)?
- 5. Who will be the committee member for the project (Required to Review Research Thesis Artifact)?
- 6. Do you need CCUE's assistance finding a student? If no, what is the name of the student?
- 7. If applicable, has the potential student previously worked in this capacity? How long?
- 8. Is this proposal a segment of a multi-phased project? Will the completion of this proposed project dependent on closure to other phases of the project?
- 9. What is the projected start and end date of the project (thesis required to be a two term project)?
- 10. Is the project funded and on record with the Office of Sponsored Research? If so, who is the Principle Investigator? Is there any financial support for the student?
- 11. What are the pre- or co-requisite courses and skill sets required to complete this project?
- 12. Has a literature review been conducted for this proposal? If so, please explain. Has similar research work been performed by others?
- 13. What facilities/tools are required (lab, software, equipment, office, etc.)? Are you the authorized person to use these? If not, please provide document of granted permission.

Faculty Thesis Advisor & Committee Member Acknowledgement:

The student will perform and manage the project under the Faculty Thesis Advisors supervision. Upon completion of the project, a comprehensive written report following CCUE guidelines is required. The report needs to be evaluated by the Faculty Thesis Advisor and Committee Member, at minimum, meeting the following criteria: Communication (written and oral), Project Management and Professionalism. These criteria are to be assessed and reported on the Faculty Thesis Evaluation. In addition, the proposed project will need to result in, at minimum, meeting the following:

- 1. Level of success in meeting the goals and objectives of the proposed project; for instance, students learn to apply synthesis techniques to an open-ended problem posed in realistic terms.
- 2. Level of success in applying specific tools, techniques, resources, and knowledge acquired from earlier work experiences and academic knowledge learned and integrating them into the Culminating Undergraduate Experience.
- 3. Level of students' realization that different projects might have a different rate of variability, but the tools, methods and processes can be used to improve any project.
- 4. Level of the students' maturity in successfully applying skills and capabilities cultivated throughout their work experiences and curriculum, such as team skills, communication skills both written & oral, time management, project management, resourcefulness and professionalism.

Acknowledgement Accepted:		
· · · · · · · · · · · · · · · · · · ·	(Faculty Thesis Advisor Signature)	Date Signed
	(Committee Member Signature)	Date Signed

Please submit this proposal to CUEproposal@kettering.edu.

Criteria for Proposed Description of Project Research Thesis (CUE-495 R)

(Question #2 of Proposal)

Please include the following criteria in the write up of the proposed description (approximately a total of 500 words):

- 2.1 Clearly state the present or potential problem(s), being addressed in the thesis.
 - What is the need identified by the Faculty Thesis Advisor?
- 2.2 How is the project valuable to the Faculty Thesis Advisor and/or Kettering University (as appropriate)?
 - What benefits and/or positive change (solutions) are anticipated from this project?
- 2.3 How will the project provide an opportunity for the student to demonstrate his/her academic and experiential competence?
 - What is the specific knowledge, experience or skill sets on which this project will draw?
 - In what ways will this project allow student to demonstrate creativity, planning skills, problem solving, and/or independent thinking?
- 2.4 What approach will be used to accomplish the project?
 - How will this project get done -- what is the step-by-step plan?
 - What due diligence and/or validation will be needed (i.e., market research, competition analysis and comparison, alternatives consideration, prototyping, actual or simulated testing, etc.)?
 - In what form(s) will the project be presented on completion?
- 2.5 What is the project timeline?
 - Define a schedule for managing and completing the project within the thesis terms (including project work as defined in 2.4 step-by-step above), mid-project progress review, writing, draft and final thesis review).