USF Sarasota-Manatee - Substantive Undergraduate Course Proposal Form

1. **College/School Contact Information**

   Tracking Number   Date & Time Submitted
   43   2016-01-07 14:13:21.0

   Discipline   College/School   Budget Account Number
   Information Technology   380700004

   Contact Person   Phone   Email
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2. **Course Information**

   Prefix Number Full Title
   CIS   4518   Quality Issues in Project Management
   Is the course title variable?   N
   Is a permit required for registration?   N
   Are the credit hours variable?   N
   Credit Hours   Section Type   Grading Option
   3   Class Lecture (Primarily)   Regular

   Abbreviated Title (30 characters maximum)
   Quality in PM

5. Prerequisites
   CIS 4510
6. Corequisites
7. Co-Prequisites
8. Course Description
   This course explains concepts & principles of tenets of quality management & practical methodologies to implement them. It covers little q & big Q; addresses thinking, misconceptions & alternative theories, focusing on big Q to build a case for change.
9. **New Course Information**

   New Prefix New Number New Full Title
   N/A   N/A   Quality & Testing w/ Agile in Project Management
   Is the course title variable?   N
   Is a permit required for registration?   N
   Are the credit hours variable?   N
   New Credit Hours   New Section Type   New Grading Option

N/A   Class Lecture (Primarily)   Regular

New Abbreviated Title (30 characters maximum)
PM Quality & Testing

12. New Prerequisites
    N/A
13. New Corequisites
    N/A
14. New Co-Prerequisites
    N/A
15. New Course Description
    N/A
16. **Justification**

    A. Nature of change(s)

        Based on feedback from the local business and industry experts (via IT Advisory
        Committee), it was recommended we update names of a few courses. Including
        the words "Testing" and "Agile" provide a more accurate description of the scope
        of this course. With this change an increase in enrollment is anticipated. Yes, this
        course change is needed for accreditation.

    B. Indicate how this course will strengthen the Undergraduate Program.

        Agile Processes have moved from being an emerging methodology to
        mainstream. Additionally, "Quality" and "testing" go hand-in-hand. The focus of
        the course being more clearly included in its name, increases its attractiveness.

    C. What specific area of knowledge is covered by this change that is not covered by
    courses currently listed.

        This course focuses on the quality aspect of Project Management and how it
        integrates into the overall project management process.

    D. What is the need or demand for this course? {Here you must indicate if this course is
    part of a required sequence in the major} What other programs would this course?

        The course has been offered for the last couple of years with good student
        feedback.

    E. What qualifications for training and/or experience are necessary to teach this course?

        A PMP certification or equivalent is highly desirable.

F. What will be the effect of this change on the program and on the students? Do you plan to drop a course if this change is made? (If dropping/deleting a course please complete the nonsubstantive course change form.)

This change will not impact students. No course will be dropped.

17. **Other Course Information**

A. Objectives

COURSE OBJECTIVES: Recent research indicates that about fifty percent of businesses had an IT project fail (Innotas, 2013). Over the past few years, demand for project managers and growth in project management has remained consistent. However, the qualitative role of the project manager has evolved in todays environment which is characterized by such trends as: 1) shrinking financial and human resources, and 2) changes, developments and advancements in the software world. For example there is increased use of the Agile development methodology. Software as a service, cloud computing and open source software have also moved into the mainstream.in many organizations. This course will provide an understanding of the activities and tools needed to meet customer expectations and to institutionalize project quality. The Project Management Institute (PMI) provides certification as a Project Management Professional (PMP). This course will assist students in preparing for this certification exam.

B. Learning Outcomes

Upon completion of this course, students will be able to: 1. Understand the unique challenges of quality management 2. Develop concepts, skills and processes for quality practices 3. Leverage best practice sills to assist in making technology-based recommendations that achieve business value.

C. Major Topics

This course will cover the following content areas: 1. Concepts, principles and thinking behind the tenets of quality management 2. Practical methodologies to implement quality management 3. Misconceptions and alternative theories 4. Tools and techniques 5. How to build a case for change in order to convince top management of the need for change 6. Why systems fail 7. What can be done to avoid systems failure

D. Textbooks

TEXT AND MATERIALS A. Texts: David Hoyle, Quality Management Essentials. Routledge, 2007 ISBN: 978-0-7506-6786-9 Phil Simon, Why New Systems Fail. Course Technology/Cengage, 2011 ISBN: 978-1-4354-5644-0 B. Suggested Supplementary Materials: Kenneth H. Rose, Project Quality

Management: Why, Where and How. J. Ross Publishing, 2005 ISBN: 978-1-932159-48-6

18. **Syllabus**

Please submit an electronic copy of your syllabus to Rhonda Moraca, moraca@sar.usf.edu.