

Curriculum Proposal Signature Sheet

New Course: ERP 516 – Enterprise Applications Development

TITLE OF PROPOSAL

Type of Proposal

Program

- New
- Changes within Major
- Changes within Cognate *
- Changes in Minor or Track
- Changes in Concentration*
- Program Deletion

Course

- New XX
- Changes in Course taken only by Majors
- Changes in Course required of Non-Majors*
- Changes in Course open to Non-Majors
- Deletion of Course taken only by Majors
- Deletion of Course required of Non-Majors*
- Deletion of Course open to Non-Majors

Review and Approval

SPONSORING DEPARTMENT(S)

DATE(S)

Signature of Sponsoring Chair(s)/Date

[Handwritten Signature] / Nov 11, 09

* For starred items Chairs of affected Departments/Programs must sign below before Dean's review

Dean's Preliminary Review

- Proposal: Complete
 Satisfies U of S Curricular Requirements
 Consistent with College Goals/Mission

Additional preliminary comments below

Dean's Signature/Date

[Handwritten Signature]

CAS CPS SOM GRAD DHC

Preliminary FSCC Disposition:

- Committee recommends approval (*new program proposals require a Recommendation from the full Senate*)
- Proposal will require minimal review: Anticipated FS Meeting Date: _____
- Proposal will require significant review: Anticipated FS Meeting Date: _____

FSCC Chair Signature/Date _____

Issues: _____

Additional Signatures

Grad program committee
 Department: _____ Signature: *[Handwritten Signature]* Date: 11/16/2009
 Department: _____ Signature: *[Handwritten Signature]* Date: _____

Department _____ Signature _____ Date _____

Department _____ Signature _____ Date _____

New Course

Course Title: Enterprise Applications Development

Course Number: ERP 516 **Date Of Initial Offering:** March 2010 Spring 2010
Semester year

Rationale for Course level

This will be one of the elective courses to be offered for the Online ERP Certificate Program which is a Graduate Program.

Credit Hours: 3 **Format:** lecture lab other: Online **Frequency:** Each Semester – based on demand

Prerequisites: MBA 510 (Integrated Enterprise Management Systems) Or an equivalent course as approved by the ERP Program Director / Instructor

Rationale for pre-requisites (if pre-requisites are listed)

ERP 510/ MBA 510 is an overview course for the Enterprise Resource Planning (ERP) Systems. The students need to have some exposure to ERP concepts to be able to understand the process of developing ERP applications.

Catalog Description (50 word maximum)

Organizations need to develop “front end” web-based applications, to extract, and analyze, data from data warehouses, ERP Databases, etc. The concepts, will be supplemented through hands-on experience using development platforms like SAP’s Net Weaver. Prerequisite: MBA 510: Integrated Enterprise Management Systems, or equivalent course approved by the instructor.

Similar Courses being offered at the University

None

Discuss Extent of overlap with existing courses

Not applicable

Special Resources Required (e.g. library, equipment, materials/facilities)

None: The software and access will be provided by the SAP's University Alliance Program. The University of Scranton and the Kania School of Management, have a continuing contract with the SAP's University Alliance Program.

Characteristics (check any/all that apply):

Major: Required Elective (Yes)
GE : submitted to CCC will be submitted to CCC _____ Area Free only
date

- | | | |
|--|---|---|
| <input type="checkbox"/> Humanities (CA) | <input type="checkbox"/> S/B Sciences (S) | <input type="checkbox"/> Cultural Diversity (D) |
| <input type="checkbox"/> Humanities (CH) | <input type="checkbox"/> Natural Science (E) | <input type="checkbox"/> Writing Intensive(W) |
| <input type="checkbox"/> Humanities (CL) | <input type="checkbox"/> Theology/Phil (P) | |
| <input type="checkbox"/> Humanities (CF) | <input type="checkbox"/> Quantitative Reasoning (Q) | |

Interdisciplinary: YES **Team Teaching:** NO

Exclusively For Special Programs/Concentrations: NO YES (*Name*)_Online ERP Certificate Program

Home College: CAS PCPS KSOM (Yes) GRAD

Required Attachments:

- Syllabus with student learning objectives, assessment/evaluation mechanisms, and outline of topics
- Description of, or example of, readings/papers/projects/examinations
- Assessment/evaluation based course improvement mechanisms

UNIVERSITY OF SCRANTON
The Arthur J Kania School of Management

Course Number: ERP 516
Course Title: Enterprise Applications

Instructor: Dr. S. Prattipati
Semester:

Spring 2010
Development

Office Phone: 941-6159
e-mail: sp355@scranton.edu

Credit Value: 3
Secretary: 941-4209
Fax: (570)941-4342

CATALOG DESCRIPTION

Organizations need to develop “front end” web-based applications, to extract, and analyze, data from data warehouses, ERP Databases, etc. The concepts, will be supplemented through hands-on experience using development platforms like SAP’s Net Weaver. Prerequisite: MBA 510: Integrated Enterprise Management Systems, or equivalent course approved by the instructor.

REQUIRED TEXTS

Lren Heiling, et.al., “SAP NetWeaver: The Official Guide”, SAP Press, 2008.

Other Reading material provided by the Instructor.

COURSE OBJECTIVES

1. To help students understand the process of developing ERP Applications with web interface.
2. To get an overview and hands-on experience with web portals and related technologies.
3. To develop an understanding of the connectivity between data sources like business data warehouse ,and the Development Environments.
4. To gain hands-on experience in planning, developing, and implementing a realistic web-based ERP application using different data sources.

Course Procedures :

This is an online course that requires extensive work by the students. The course work will involve, several weekly assignments, discussion forums, individual as well as team-based hands-on exercises, exams, and a comprehensive project to develop a realistic web-based ERP application.

GRADING

Examinations (2)	40%
Assignments	15%
Exercises	15%
Team Project	20%
Discussion Forums	10%

Total	100%
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List of topics – tentative schedule

- | | |
|--------|---|
| Week 1 | Information Systems overview – Review of IS Concepts, Evolution and overview of ERP Systems, and State of ERP Application Development. Overview of SAP Net Weaver and Net Weaver portals. |
| Week 2 | Introduction to Web Dynpro for Java and Concepts. Adaptive Adaptive RFC. Adaptive Web Services, Web Dynpro for Java Tools. |
| Week 3 | Visual Composer Roadmap, compare Visual Composer (VC) web dynpro. |
| Week 4 | Enterprise Services, VC for Prototyping. |
| Week 5 | Composition Applications, Clustered Data Services. |
| Week 6 | Business Warehouse, Modeling Business Intelligence (BI) in Visual Composer, BI and Portals. |
| Week 7 | Visual Composer Techniques, Analytics using Visual Composer, Exporting and Importing VC Models. |
| Week 8 | Final Team Project, process, implementation, and testing. |

Labs: (Exercises for all the eight weeks)

1. Portals, iViews, and Pages
2. Portal Content using CE
3. First
4. Hello World
5. Flight List
6. Sales Orders (R/3)
7. Weather
8. Navigate
9. Eventing
10. Graphics
11. Popups
12. Bank List using CE
13. Purchase Order using ES Workplace
14. Purchase Order using ES
15. Employee using ES
16. Customer details using ES
17. Create Purchase Order

18. BI as a Data Service
19. Purchase Order
20. Open Orders (XMLA)
21. Sales Analytics
22. Customer Risk
23. Exceptions
24. Value Help
25. Drill Down
26. BI and Portals