# Purdue University Request for Addition, Expiration, or Revision of a Graduate Course

## Department: IUPUI, Computer & Information Technology

### Effective Session: Spring 2008

### Instructions:
1. New course with supporting documents (complete proposal form)
2. Add existing course offered at another campus
3.Expiration of a course
4.Change in course number
5.Change in title
6.Change in course credit type
7.Change in course attributes
8.Change in instructional hours
9.Change in course description
10.Change in course requisites
11.Change in semesters offered
12.Transfer from one department to another

### Proposed:
- Subject Abbreviation: CIT
- Course Number: 550
- Long Title: Organizational Impact Of Information Technology
- Short Title: Org Impact Info Tech

### Existing:

<table>
<thead>
<tr>
<th>Credit Type</th>
<th>Instructional Type</th>
<th>Minutes Per Week</th>
<th>Meetings Per Week</th>
<th>Weeks Offered</th>
<th>% of Credit Allocated</th>
<th>Delivery Method</th>
<th>Delivery Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fixed Credit: Cr. Hrs. 3</td>
<td>Lecture</td>
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<td>2. Variable Credit Range: Minimum Cr. Hrs. (Check One)</td>
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<td>Maximum Cr. Hrs.</td>
<td>Presentation</td>
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<td>3. Equivalent Credit: Yes</td>
<td>Laboratory</td>
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<td>4. Thesis Credit: Yes</td>
<td>Lab Prep</td>
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</table>

### Course Attributes:
- 1. Pass/Not Pass Only
- 2. Satisfactory/Unsatisfactory Only
- 3. Repeatable
- 4. Credit by Examination
- 5. Designator Required
- 6. Special Fees
- 7. Registration Approval Type
- 8. Variable Title
- 9. Remedial
- 10. Honors
- 11. Full Time Privilege
- 12. Off-Campus Experience

### Course Description (Include Requisites):

An enterprise view of the organizational impact of information technology as the most effective means for achieving "better, faster, cheaper operations" in today's highly competitive business environment. Examines how information technology has enabled new organizational forms and changes in business processes, products, markets, delivery systems, ways of working, and people management issues and challenges.

**Prerequisites:** Graduate Standing

### CAMPUS(ES) Involved:
- Calumet
- Cont Ed
- Tech Statewide
- Ft. Wayne
- W. Lafayette
- Indianapolis

### Terms Offered:
- Summer
- Fall
- Spring

### Cross-Listed Courses:

<table>
<thead>
<tr>
<th>Cross-Listed Courses</th>
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<tbody>
<tr>
<td>Calumet Undergrad Curriculum Committee</td>
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<tr>
<td>Fort Wayne Chancellor</td>
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<tr>
<td>Undergrad Curriculum Committee</td>
</tr>
<tr>
<td>Date Approved by Graduate Council</td>
</tr>
<tr>
<td>Graduate Council Secretary</td>
</tr>
<tr>
<td>West Lafayette Registrar</td>
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</tbody>
</table>

### Office of the Registrar

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**Office of the Registrar**

**Form 40G REV. 9/06**

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**Calumet Department Head**

**Date:**

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**Calumet School Dean**

**Date:**

---

**Calumet Undergrad Curriculum Committee**

**Date:**

---

**Fort Wayne Department Head**

**Date:**

---

**Fort Wayne School Dean**

**Date:**

---

**Fort Wayne Chancellor**

**Date:**

---

**Indiana Department Head**

**Date:**

---

**Indiana School Dean**

**Date:**

---

**Undergrad Curriculum Committee**

**Date:**

---

**North Central Department Head**

**Date:**

---

**North Central Chancellor**

**Date:**

---

**Date Approved by Graduate Council**

**Date:**

---

**West Lafayette Department Head**

**Date:**

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**West Lafayette College/School Dean**

**Date:**

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**Graduate Council Secretary**

**Date:**

---

**West Lafayette Registrar**

**Date:**

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New Course Request

Check Appropriate Boxes: Undergraduate credit [ ] Graduate credit [x] Professional credit [ ]

1. School/Division
   School of Engr and Tech

2. Academic Subject Code
   CIT

3. Course Number
   550
   (must be cleared with University Enrollment Services)

4. Instructor
   Fernandez, E

5. Course Title
   Organizational Impact of Information Technology
   Recommended Abbreviation (Optional)
   Org Impact Info Tech
   (Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year):
   Spring 2008

7. Credit Hours: Fixed at
   3
   or Variable from
   to

8. Is this course to be graded S-F (only)?
   Yes [ ] No [x]

9. Is variable title approval being requested?
   Yes [ ] No [x]

10. Course description (not to exceed 50 words) for Bulletin publication:
    An enterprise view of the organizational impact of information technology as the
    most effective means for achieving "better, faster, cheaper operations" in today's
    business environment. Examines how information technology has enabled new
    organizational forms and changes in business processes, products, markets,
    delivery systems, ways of working, and management issues.

11. Lecture Contact Hours: Fixed at
    3
    or Variable from
    to

12. Non-Lecture Contact Hours: Fixed at
    0
    or Variable from
    to

13. Estimated enrollment:
    15 every
    of which
    90%
    percent are expected to be graduate students.

14. Frequency of scheduling:
    3 semesters. Will this course be required for majors?
    No

15. Justification for new course:
    This course is an elective for the new M.S. Technology program.

16. Are the necessary reading materials currently available in the appropriate library?
    Yes.

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other
    materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is
    necessary, desirable, or unimportant.

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be
    overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments
    directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus
    consulted.

Submitted by:

[Signature]

Date 5-3-2007

Department Chairman/Division Director

Dean of Graduate School (when required)

Approved by:

[Signature]

Date 5/9/07

Dean

Chancellor/Vice-President

University Enrollment Services

Date

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining
four copies and attachments to the Campus Chancellor or Vice-President.

UPS 724

University Enrollment Services Final—White; Chancellor/Vice-President—Blue; School/Division—Yellow;
Department/Division—Pink; University Enrollment Services Advance—White
Course List >> West Lafayette >> Traditional Programs >> C&IT - Computer And Information Technology

Search Summary: 0 retired courses, 1 current course, and 0 courses to be activated in the future.

Effective dates of retired items appear in italicized red; effective dates of current items appear in black; effective dates of future items appear in bolded green.

Show Retired | Hide Current | Hide Future

C&IT 550 - Organizational Impact Of Information Technology

Information 05/15/2006 - Forward
Effective:
Credits: 3.00
Typical Instructional Format: Lecture that meets 3 times per week for 50 minutes per meeting for 16 weeks.
Usually Offered: Summer, Fall, Spring
Short Title: Org Impact Info Tech
Description: An enterprise view of the organizational impact of information technology as the most effective means for achieving "better, faster, cheaper operations" in today's highly competitive business environment. Examines how information technology has enabled new organizational forms and changes in business processes, products, markets, delivery systems, ways of working, and people management issues and challenges.

School: College Of Technology
Department: Computer And Information Technology
Credit By Exam: Credit by examination is not available for this course.
Replaces CPT 550
Pre/Corequisites: Masters Student Standing or higher. Authorized equivalent courses or consent of instructor may be used in satisfying course pre- and co-requisites.

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This is an Official World Wide Web page of Purdue University.
Suggestions and comments about it may be directed to: registrar@purdue.edu.
I. HEADER:

Course Number: CIT 550
Title: Organizational Impact of Information Technology

Instructor: Dr. Eugenia Fernandez
Office: SL 220
Phone: 274.6794
Email: efernand@iupui.edu

Prerequisites: Graduate status in the School of Technology

II. COURSE DESCRIPTION AND RATIONALE:

Description

An enterprise view of the organizational impact of information technology as the most effective means for achieving "better, faster, cheaper operations" in today's highly competitive business environment. Examines how information technology has enabled new organizational forms and changes in business processes, products, markets, delivery systems, ways of working, and people management issues and challenges.

Rationale

This is an elective course in the M.S.T. program.

Information technology (IT) is arguably the most disruptive force in organizations. IT is changing what organizations do, how they do it, where they do it and when they do it. It has enabled new organizational forms, radical changes in business processes, new products, new markets, new delivery systems, new ways of working, and a new set of people management issues and challenges. The course takes an enterprise view of the organizational impact of IT and includes both a descriptive component (describing how IT is affecting organizations) and a prescriptive component (exploring and evaluating effective methods of applying IT for organizational benefit).

III. EDUCATIONAL OBJECTIVES:

Upon completion of this course, the student should be able to:

- Evaluate the strategic application of information technology (i.e. achieving better, faster, cheaper)
CIT 550 Syllabus

- Explain the impact of IT on E-business design (including Enterprise Resource Planning, Customer Relationship Management, Supply Chain Management, and E-commerce)
- Use Porter's Value Chain to describe IT's impact
- Use Mendonca's Value Model to describe the business value of business value of IT (including Business Intelligence)
- Explain the need for an Enterprise Information Architecture
- Discuss and evaluate how IT has enabled process re-engineering, organizational design alternatives, and alliances/partnering
- Explain the appropriate roles of the CIO, CEO, CTO for IT leadership
- Explore IT's impact on work, workers, and the workforce

IV. COURSE CONTENT:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic(s)</th>
<th>Assignments</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Introduction</td>
<td></td>
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<tr>
<td></td>
<td>Organizational Impact: Major Themes</td>
<td></td>
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<tr>
<td>2</td>
<td>IT for Competitive Advantage</td>
<td>Plagiarism Certification</td>
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<tr>
<td>3</td>
<td>Business Value of IT</td>
<td></td>
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<tr>
<td>4</td>
<td>Business Process Reengineering</td>
<td>Case Report 1</td>
</tr>
<tr>
<td>5</td>
<td>Enterprise Information Architecture</td>
<td></td>
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<tr>
<td>6</td>
<td>IT Impact on Organizational Structure</td>
<td></td>
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<tr>
<td>7</td>
<td>Enterprise Integration</td>
<td>Case Report 2</td>
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<tr>
<td>8</td>
<td>Supply Chain Management</td>
<td>Seminar Topic Presentation</td>
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<tr>
<td>9</td>
<td>Customer Relationship Management</td>
<td>Seminar Topic Presentation</td>
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<td>10</td>
<td>Enterprise Resource Planning</td>
<td>Seminar Topic Presentation</td>
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<td>11</td>
<td>IT Leadership &amp; Ethics</td>
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<tr>
<td>12</td>
<td>Case Presentations</td>
<td>Case Presentations</td>
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<td>13</td>
<td>TBD by Student Interests</td>
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<tr>
<td>14</td>
<td>Web Portal Consultation</td>
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<tr>
<td>15</td>
<td>Web Portal Presentations</td>
<td>Web Portal Presentations</td>
</tr>
</tbody>
</table>

V. REQUIRED AND RECOMMENDED TEXTS:

No textbook is used. Required reading will come from professional and academic articles drawn from the literature.
VI. EVALUATION AND GRADING:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Readings Reflection</td>
<td>20%</td>
</tr>
<tr>
<td>Case Reports</td>
<td>25%</td>
</tr>
<tr>
<td>Case Presentation (team)</td>
<td>15%</td>
</tr>
<tr>
<td>Seminar Topic Instruction (team)</td>
<td>15%</td>
</tr>
<tr>
<td>Web Portal</td>
<td>25%</td>
</tr>
</tbody>
</table>

Grading Scale

A Represents the highest grade possible and indicates outstanding achievement. This grade is not automatically given to the top student performance but instead indicates student work which demonstrates complete mastery of course learning objectives or evinces a level of creativity or originality which far exceeds course expectations. The grade indicates the student works independently and with strong initiative, seeking knowledge outside the normal framework of the course.

B Represents achievement considerably above expectations. Student performance demonstrates thorough understanding of course learning objectives and a high level of creativity or originality.

C Student performance meets designated course requirements and demonstrates understanding of the course material and attainment of the course learning objectives. This is the grade that may be expected of a student who puts forth a reasonable amount of time and effort and completes all requirements.

D This grade denotes substandard work and indicates incomplete and inadequate understanding of the course learning objectives. It indicates work which may not satisfy all requirements.

F This grade indicates serious deficiency in understanding course learning objectives and failure to complete requirements of the course.

VII. BIBLIOGRAPHY:
Organizational Impact: Major Themes


IT for Competitive Advantage

"Concrete Ideas", www.cio.com

Business Value of IT


Business Process Reengineering


**Enterprise Information Architecture**


**IT Impact on Organizational Structure**


**Enterprise Integration**


CIT 550 Syllabus


Supply Chain Management


Customer Relationship Management


Enterprise Resource Management


**Leadership and Ethics**


**VIII. CHEATING AND PLAGIARISM:**

Indiana University has adopted a code that applies, with only minor differences, to students on all Indiana University campuses. The code, which is available in the Office of the Dean of Students and in all school office, spells out what constitutes unacceptable behavior and the procedures to be followed when there are alleged cases of misconduct. The dean of students also has some very brief pamphlets on key areas of the code. What follows is not the code but rather abbreviated and paraphrased statements on key elements of the code: academic and personal misconduct as well as a section on what students should do if they believe that other students, faculty, or staff have violated their rights. The code also explains the procedures employed and how students may appeal decisions. For more information, consult the Code of Student Rights, Responsibilities, and Conduct as well as brochures located in the Office of the Dean of Students.

**Indiana University Purdue University Indianapolis Code of Conduct**

Cheating of any kind will be grounds for failure. You are allowed to discuss your assignments with others. However, you are expected to submit your own work for grading. You are expected to create your own assignments independent of others except when directed to work
in teams. Do not cheat. The submission of false computer output is also considered to be cheating.

Cheating will not be tolerated. Cheating and/or plagiarism will be immediately punished with a grade of zero for the assignment in question, reported to the Chairman of the Department of Computer and Information Technology and a letter describing the infraction will be placed in your student file. Further disciplinary action will be pursued according to university policy as described in Part III of the Code of Student Rights, Responsibilities, and Conduct (Issued August 15, 1997).

Instructors using software to detect plagiarism are encouraged to investigate whether or not the student’s permission is needed.

VIII. AMERICANS WITH DISABILITIES ACT:

If you need any special accommodations due to a disability, please contact Adaptive Educational Services at (317)-274-3241. The office is located in CA 001E.
From: Palakal, Mathew J.
Sent: Tuesday, October 02, 2007 7:35 AM
To: Fernandez, Eugenia
Subject: RE: Request for Support of New Courses

Dear Eugenia,

The School of Informatics had the opportunity to review CIT 528 Information Security Risk Assessment and CIT 550 Organizational Impact of Information Technology courses that CIT is planning to offer.

We fully support the development and offering of these courses and we hope that Informatics students may in fact benefit from these two new course offerings.

Sincerely,

Mathew Palakal
Associate Dean, Research & Graduate Programs
Director, Informatics Research Institute
School of Informatics

From: Fernandez, Eugenia
Sent: Tuesday, July 03, 2007 12:18 PM
To: Palakal, Mathew J.
Cc: Lim, Wai-Sei Valerie
Subject: Request for Support of New Courses

Dean Palakal,

We have submitted several new course requests in support of our new M.S. in Technology program. The Graduate Curriculum Sub-Committee has requested a letter of support from your school with respect to the following courses:

- CIT 528 Information Security Risk Assessment
- CIT 550 Organizational Impact of Information Technology

I have attached the submitted course materials for your review. A letter of support can be as informal as a return email or a formal memo addressed to the Graduate Curriculum Sub-Committee – either way is acceptable.

If I have reached the wrong person with this request, please let me know who I should contact.

Thank you.

Eugenia Fernandez, Ph. D.
Director, M.S. in Technology Program

Computer & Information Technology
Purdue School of Engineering and Technology, IUPUI
799 W. Michigan St., ET 301
Indianapolis, IN 46202-5160

317.274.6794 Voice