

FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—NEW COURSE PROPOSAL

UUPC APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG POSTED _____
 WEB POSTED _____

DEPARTMENT NAME: INFORMATION TECHNOLOGY & OPERATIONS MANAGEMENT COLLEGE OF: BUSINESS

RECOMMENDED COURSE IDENTIFICATION:
 PREFIX _ISM COURSE NUMBER 6123 LAB CODE (L or C)
 COMPLETE COURSE TITLE: ADVANCED SYSTEMS ANALYSIS AND DESIGN
 EFFECTIVE DATE (first term course will be offered): FALL 2012

INSTRUCTIONAL METHOD
(V, BB, IC, EC, ETC.):
BB

CREDITS: 3	LAB/DISCUSSION:	TEXTBOOK INFORMATION:	SEE ATTACHED SAMPLE SYLLABUS
LECTURE: Y	FIELD WORK:		

GRADING: REGULAR PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN 3 LINES: THE GENERAL AIM OF THIS COURSE IS TO EXAMINE THE DESIGN AND APPLICATION OF SYSTEMS IN BUSINESS FOR ROUTINE DATA PROCESSING, MANAGEMENT REPORTING, AND DECISION SUPPORT AT VARIOUS LEVELS WITHIN THE ORGANIZATION. AVAILABLE ONLY TO GRADUATE STUDENTS LACKING AN UNDERGRADUATE COURSE IN ADVANCED SYSTEMS ANALYSIS AND DESIGN.

PREREQUISITES: FULLY ADMITTED GRADUATE STUDENTS <input type="checkbox"/> Check box to enforce*	COREQUISITES: <input type="checkbox"/> Check box to enforce*	OTHER REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL): <input type="checkbox"/> Check box to enforce*
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MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: TERMINAL DEGREE IN APPROPRIATE FIELD

Other departments, colleges that might be affected by the new course must be consulted. List entities that have been consulted and attach written comments from each.

DEPARTMENT OF COMPUTER & ELECTRICAL ENGINEERING AND COMPUTER SCIENCE—SEE ATTACHED EMAIL

Faculty Contact, Email, Complete Phone Number
Dr. Pauline Chin, pchin@fau.edu, (954)236-1355

SIGNATURES

SUPPORTING MATERIALS

<p>Approved by:</p> <p>Department Chair: <u><i>C. Conley on behalf of Tamara Diney</i></u></p> <p>College Curriculum Chair: <u><i>Alvin E. Smith</i></u></p> <p>College Dean: <u><i>W. Dennis Coates</i></u></p> <p>UGPC Chair: _____</p> <p>Dean, Graduate Studies _____</p>	<p>Date:</p> <p><u>9/27/11</u></p> <p><u>9/27/11</u></p> <p><u>9-27-11</u></p> <p>_____</p> <p>_____</p>	<p>Syllabus—must include course objectives.</p> <p>Written Consent—required from all departments affected.</p> <p>Go to: http://graduate.fau.edu/gpc/ to download this form</p>
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* "Enforce" prerequisites or other registration controls adds these restrictions to the course schedule; students whose academic careers do not show these prerequisites or other details will not be able to register. When box is not checked, restrictions show in catalog description only.

Email this form and syllabus to GraduateStudies@fau.edu one week **before** the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website by committee members prior to the meeting.

ISM 6123 - ADVANCED SYSTEMS ANALYSIS & DESIGN

3 CREDIT HOURS

TERM

Instructor:	TBD	Lecture Location:	TBD
Office:	TBD	Class Time:	TBD
Phone:	TBD	Course Web Site:	http://blackboard.fau.edu
Email:	TBD	Office Hours:	TBD

COURSE DESCRIPTION

This course is part of the Foundation Courses of the MSITM program. The general aim of this course is to examine the design and application of systems in business for routine data processing, management reporting, and decision support at various levels within the organization. Available only to graduate students lacking an undergraduate course in advanced systems analysis and design. Prior course work or professional experience may be considered in lieu of this course, with departmental approval.

COURSE OVERVIEW

This course is part of the Foundation Courses of the MSITM program. The general aim of this course is to examine the design and application of systems in business for routine data processing, management reporting, and decision support at various levels within the organization. The main focus of the course will be on the non-programming components of the systems development process. The tools and processes used by systems developers to analyze, design, manage and construct information systems will be presented. The course will take the format of lectures and discussions, as well as two oral presentations by students. One of the student presentations will consist of brief discussions on a current information technology topic chosen by the student. Each presentation should be no more than ten minutes and will be done at the beginning of the class session. The other presentation will be the group project presentation which should be no more than 30 minutes. Teamwork is heavily emphasized in the course. This allows the students to develop their interpersonal, conflict resolution and management skills in a simulated project environment. Lecture material can be downloaded from the class website on Blackboard. Available only to graduate students lacking an undergraduate course in advanced systems analysis and design. Prior course work or professional experience may be considered in lieu of this course, with departmental approval.

LEARNING GOALS

Content Knowledge (Declarative, Technical, and Research). Students understand systems analysis and design concepts and are able to apply knowledge acquired in the course to a specific situation. Students will be introduced to the analytical and design methodologies as well as the skills necessary to become a successful systems analyst, practice and integrate database and software development concepts learnt. Students will practice their skills to research, analyze and design a working solution to the organizations problem utilizing appropriate systems analysis and design techniques.

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Communication (Written, Oral, Team). Students will reinforce their writing skills by preparing and submitting a written comprehensive systems analysis and design project documentation package for a proposed computer-based system for an organization. Each project member will reinforce their oral skills by delivering in-class oral presentations on the design project and effectively communicating the organizations' problem(s) and the methodologies used to obtain solution(s). Students will reinforce their team communication skills by working in teams of 4 or 5 on a semester long project for a proposed computer-based system for an organization with a real world business problem.

Critical Thinking and Problem Solving. Students will reinforce proficiency in this area by fully and clearly identifying and defining the problem that the system is being designed to solve, identifying solutions relevant to the business problem reviewed. The solution demonstrates appropriate application of database, software development, and telecommunication concepts.

REQUIRED TEXTBOOK

Essentials of Systems Analysis and Design, Fourth Edition, Valachich, George, Hoffer, 2008, Prentice Hall, ISBN: 18-978-0-13-608-496-0

PREREQUISITES FOR THIS COURSE

Fully admitted graduate students.

GRADING

Exam 1	25%
Group Project Documentation	25%
Homework	5%
Project Evaluation	1%
Project Presentation (individual)	5%
Current I.S. Topic Presentation/ Graduate Case Analysis	7%
Attendance/Participation	3%
Online Quizzes	4%
Final Exam	25%
Total	100%

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Grading Structure

A = 93 - 100	C+ = 77 - 79
A- = 90 - 92	C = 73 - 76
B+ = 87 - 89	C- = 70 - 72
B = 83 - 86	D+ = 67 - 69
B- = 80 - 82	D = 63 - 66
	D- = 60 - 62

GROUP/INDIVIDUAL ASSIGNMENTS/PROJECTS

Students in groups of 3 or 4 will conduct a systems analysis project consisting of studying and documenting a system in a real-world organization. Individual projects will not be allowed. Each TEAM must submit in writing team membership and two project preferences per group by August 30th, numbered one and two in order of preference. Team member evaluations will be conducted. A team may decide to dismiss a member from the group before the final course drop date for lack of participation or poor performance. This must be the consensus of all the other members of the group and must be communicated to the affected student and then to the instructor in writing, followed by a meeting with all the members of the group. A formal written report is to be handed in by the stated due date and an oral presentation will be done on the stipulated date by each group. Each member of the group is expected to participate in the presentation. Each student is expected to attend all presentations. Oral presentations will be graded based on clarity, creativity and originality. Skits and humor are encouraged. Individual projects are not allowed. A late penalty of 15% will be assessed for any assignment turned in after the time it was due, up to and including the day following the due date. No assignments will be accepted beyond one week after the due date.

Current topic presentations will consist of brief discussions on a current information technology topic. Each presentation should be no more than fifteen minutes and will be done at the beginning of each meeting. You should inform as to what topic you plan to cover in advance.

Topics of interest includes:

1. Security
2. Financial integrity
3. Web services
4. Telecommunications
5. Artificial intelligence
6. CASE tools
7. Expert Systems
8. Database management system
9. Outsourcing
10. IT management
11. Terrorism/Disaster Planning
12. Customer Service
13. Enterprise application

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14. Wireless technology
15. New uses of the Internet
16. Software for the Analyst

Your presentation will be graded based on:

1. How clearly you explain the topic
2. Depth of your discussion
3. interest generated
4. how you identify points that are of relevance to the systems analyst, CIO, IS consultant, etc
5. Answer questions regarding the topic

EXAMS

There are two exams in this course. Both exams will cover material from lectures, current topics discussed, case studies discussed in class as well as the assigned readings from the textbook. They will include multiple-choice, short answer and essay questions. No make-up exams and quizzes will be given. If exams and quizzes are missed for valid reasons such a comprehensive final will be given. All assignments are due at the start of class on the scheduled due dates. Homework assignments will have the due dates stated on them.

INCOMPLETES

University policy states that an "I" may be given only if a student has a passing grade in the course. An incomplete is meant for students who are unable to complete the course due to severe hardships beyond their control. If an "I" is given, work must be completed within the time period specified by the instructor - a period not exceeding 12 months from the ending date of the course.

ATTENDANCE

Attendance will be taken. You are responsible for any and all information provided in class. This includes schedule changes as well as lecture and assignment materials.

Religious Accommodation Policy: <http://www.fau.edu/academic/registrar/catalog/academics.php>
(Listed under the "Policies for all students" section)

"In accordance with rules of the Florida Board of Education and Florida law, students have the right to reasonable accommodations from the University in order to observe religious practices and beliefs with regard to admissions, registration, class attendance and the scheduling of examinations and work assignments.

Students who wish to be excused from coursework, class activities or examinations must notify the instructor in advance of their intention to participate in religious observation and request an excused absence. The instructor will provide a reasonable opportunity to make up such excused absences.

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Any student who feels aggrieved regarding religious accommodations may present a grievance to the director of Equal Opportunity Programs. Any such grievances will follow Florida Atlantic University's established grievance procedure regarding alleged discrimination."

ACADEMIC HONESTY & INAPPROPRIATE BEHAVIOR

Academic honesty includes, but is not limited to: plagiarism, cheating on examinations, unauthorized collaboration, multiple submission of work, misusing resources for teaching and learning, falsifying information, forgery, bribery, and any other acts that deceive others about one's academic work record. Cheating, plagiarism, and unauthorized collaboration are unacceptable for both in-class examinations and take-home assignments. Such offenses are subject to disciplinary action. Disciplinary actions may range from a zero on the assignment or exam, to an "F" in the course and a letter of fact in your student record, following the rules of the University and the College of Business.

Inappropriate behavior distracts other students and interferes with their learning experience. Inappropriate behavior may include arriving late, leaving early, talking, surfing the net, etc. Rude and inappropriate behavior will not be tolerated. Points will be deducted from the final grade of a student who chooses to repeatedly distract others. In particularly egregious cases, the student will be permanently removed from the class.

University policy states that cellular telephones, pagers, beepers and other personal communication devices must be disabled during class sessions.

Code of Academic Integrity:

http://www.fau.edu/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf

STUDENTS WITH DISABILITIES

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations to properly execute coursework due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) – in Boca Raton, SU133 (561-297-3880); in Davie, MOD 1 (954-236-1222); in Jupiter, SR 117 (561-799-8585); or at the Treasure Coast, CO 128 (772-873-3305) – and follow all OSD procedures.

ADA policy: http://www.fau.edu/eop/ada/ada_policy.php

Additional Readings: Cases & Journal Articles

James J Cappel (2002). "A system analysis and design case: ABC church". Journal of Information Systems Education, Vol. 12, Iss. 4; p. 233 – 244.

Kokolakis, S.A., Demopoulos, A.J. Kiountouzis, E.A. (2000). "The use of business process modelling in information systems security analysis and design". Information Management & Computer Security. Vol. 8, Iss. 3; p. 107.

Shen, Hui, Wall, Brian, Zaremba, Michal, Chen, Yuliu and Browne, Jim (2004). "Integration of business modelling methods for enterprise information system analysis and user requirements gathering", *Computers in Industry* Volume 54, Issue 3, August 2004, Pages 307-323.

Lindstrom, Lowell; Jeffries, Ron (2004, Summer), "Extreme programming and agile software development methodologies". *Information Systems Management*, Vol. 21 Issue 3, p. 41-52.

Sergio de Cesare, Chaitali Patel, Nicola Iacovelli, Antonio Merico and Mark Lycett (2008, Sept.), "Tailoring software development methodologies in practice: a case study." *CIT Journal of Computing and Information Technology*, Vol. 16.3, p. 157 (12).

Germain ,Éric, Robillard, Pierre N.(2005, February) "Engineering-based processes and agile methodologies for software development: a comparative case study", *Journal of Systems and Software* Volume 75, Issues 1-2, 15, Pages 17-27.

Wu, B; Looks, V; Kay, JM; Bennett, M (2000); "The design of business processes within manufacturing systems management." *International Journal of Production Research*, Vol: 38 Pages: 4097 – 4111.

Gonzalez, Reyes; Gasco, Jose and Lopis, Juan; (2006, October) "Information systems outsourcing: A literature analysis", *Information & Management*, Volume 43, Issue 7, Pages 821-834.

Chen, Injazz J.(2001), "Planning for ERP systems: analysis and future trend", *Business Process Management Journal* Vol: 7 Issue: 5 ISSN: 1463-7154 Date: 2001 Pages: 374 - 386

Madhusudan N. Rao, (2007) "Entrepreneurship, globalization, and information technology: A case study of Webject Systems, Inc.", *International Journal of Emerging Markets*, Vol. 2 Iss: 2, pp.181 – 197.

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Tentative Calendar

<p>8/23</p> <p>Introduction to the Course. Systems Project and Presentations</p>	<p>8/30</p> <p>The Systems Development Environment. (Chap 1).</p>	<p>9/6</p> <p>Labor Day Holiday No Classes</p>
<p>9/13</p> <p>The Sources of Software (Chap. 2)</p>	<p>9/20</p> <p>Quiz 1 Managing the Information Systems Project (Chap. 3)</p>	<p>9/27</p> <p>Systems Planning and Selection (Chap. 4)</p>
<p>10/4</p> <p>Determining Systems Requirements (Chap. 5)</p> <p>PHASE 1 DUE</p>	<p>10/11</p> <p>Quiz 2 Appendix B – Agile Methodologies Structuring Systems Requirements: Process Modeling (Chap. 6)</p>	<p>10/18</p> <p>EXAM 1 (Chaps. 1-5 & Appendix B)</p>
<p>10/25</p> <p>Structuring Systems Requirements: Conceptual Data Modeling (Chap. 7)</p>	<p>11/1</p> <p>Quiz 3 Designing the Human Interface (Chap. 8)</p> <p>PHASE 2 DUE</p>	<p>11/8</p> <p>Case Tools in Design Methodology</p>
<p>11/15</p> <p>Designing Databases (Chap. 9)</p>	<p>11/22</p> <p>Quiz 4 Systems Implementation and Operation (Chap. 10)</p>	<p>11/29</p> <p>PHASE 3 DUE PROJECT PRESENTATIONS</p>
<p>12/6</p> <p>Final Exam (Chaps. 6-10)</p>		

TD

FW MSITM foundation courses - requesting comments/feedback for new courses.txt

From: Tamara Dinev
Sent: Wednesday, September 07, 2011 12:27 AM
To: Caryn Conley
Subject: FW: MSITM foundation courses - requesting comments/feedback for new courses

Hi Caryn:

Here is the most important approval by the Computer Science Dept. Keep this in your record, print it in case they ask for it at the GC.

-----Original Message-----

From: Borko Furht [mailto:bfurht@fau.edu]
Sent: Tuesday, September 06, 2011 3:37 PM
To: Tamara Dinev
Subject: Re: MSITM foundation courses - requesting comments/feedback for new courses

Hi Tamara,

i don't think that we need to meet. I accept your clarification and I approve your courses.

Thanks.

Borko

----- Original Message -----

From: "Tamara Dinev" <tdinev@fau.edu>
To: "Borivoje Furht" <bfurht@fau.edu>
Sent: Tuesday, September 6, 2011 3:28:51 PM
Subject: FW: MSITM foundation courses - requesting comments/feedback for new courses

Thanks, Borko:

Thank you for your response regarding the Information Session. While you are at your desk responding to your emails, can I ask you for your final word on the foundation classes? We want to pass this this Fall, and try for the 9/26 at COB GC, and the 10/12 UniGC. Below is the chain of the last few emails. Again, I reiterate mine and Greg Gayle's readiness to come and meet with you regarding your question about 6000 level courses.

Tamara

From: Tamara Dinev
Sent: Wednesday, August 24, 2011 4:06 PM
To: GAYLE, GREGORY
Cc: Borivoje Furht; Mihaela Cardei
Subject: RE: MSITM foundation courses - requesting comments/feedback for new courses

FW MSITM foundation courses - requesting commentsfeedback for new courses.txt

Hi Borko:

We can meet the four of us to clarify all your questions. Any time is fine with me.

Tamara

From: GAYLE, GREGORY
Sent: Wednesday, August 24, 2011 2:54 PM
To: Tamara Dinev
Cc: Borivoje Furht; Mihaela Cardei
Subject: RE: MSITM foundation courses - requesting comments/feedback for new courses

Tamara,

I agree with your points. Prospective graduate students prefer to take foundation courses at the graduate level instead of at the undergraduate level. COB faculty prefer this option. Additionally, once we admit the applicants, they are eligible to register for the graduate level foundation courses.

In terms of the recruitment process, I want to admit qualified applicants to a graduate program instead of referring them to a future semester (after completion of undergraduate courses). Having a pre-defined list of graduate foundation courses creates a smoother process for enrolling students. I am available if you need further information.

Greg

Gregory Gayle, M.S., Ed.S.
Director, Graduate Recruitment and Retention
College of Business, Fleming West, Room 101D
Florida Atlantic University
Boca Raton, FL 33431
(561) 297 0983
(561) 297 1315 fax

FW MSITM foundation courses - requesting comments/feedback for new courses.txt
<http://business.fau.edu/>

-----Original Message-----

From: Tamara Dinev
Sent: Tuesday, August 23, 2011 4:03 PM
To: Borivoje Furht; Mihaela Cardei; GAYLE, GREGORY
Subject: RE: MSITM foundation courses - requesting comments/feedback for new courses

Hi Borko:

Yes, I know it is strange for the other colleges. Our college has chosen a framework to offer deficiency undergraduate courses under the 6000 envelope. These are not credit earning courses, so they are not additional to the program.

Why they prefer this framework:

1) First, to avoid the non-degree seeking dilemma. Many students want to take the deficiency undergraduate courses before entering the program or while their application is processed. However, they are non-degree seeking students and they can only register the last week. By then, all our undergraduate classes are closed so they cannot register. I cannot do override because most of the classes are in lab with computer seats.

2) Second, if they are already admitted in the program, they need the 6000 level courses to avoid the super special accommodation the advisors have to go through to justify a graduate student taking undergraduate courses and getting tuition waivers etc. I know every time they do that, the Graduate College frowns.

I attach for you the other graduate programs of other departments and their foundation courses that are equivalent to undergraduate.

In clarifying this concept, I would like to ask the College Graduate Advisor, Greg Gale, to join our conversation on why the undergraduate prerequisite courses in the College Of Business are under the "6000" level Foundation Courses.

Hi Greg,

FW MSITM foundation courses - requesting commentsfeedback for new courses.txt

In our push for the GC approval the MSITM Foundation Courses, I am seeking the comments from Dr. Furht, the Chair of the Department of Computer Science and Electrical Engineering (this is the department we have the MSITM program jointly). Their college runs the deficiency prerequisites in a different way - their graduate students take the undergraduate prerequisites, and that's it. I remember my husband when he did his Ph.D. in Electrical Engineering, his whole first semester was with 4000 level deficiency courses without any problems.

Please help me in making the argument in a clearer way - why COB goes with a 6000 level deficient courses equivalent to the undergraduate ones?

Tamara

-----Original Message-----

From: Borko Furht [mailto:bfurht@fau.edu]

Sent: Tuesday, August 23, 2011 10:47 AM

To: Mihaela Cardei

Cc: Tamara Dinev

Subject: Re: MSITM foundation courses - requesting comments/feedback for new courses

Hi Tamara,

Your foundation courses are all 6000 level, which is slightly misleading. Our "foundation courses" (prerequisites are 3000 and 4000 level courses (undergraduate), which we usually offer every semester. Do you now need to offer your foundation courses as additional courses?

Thanks.

Borko

FW MSITM foundation courses - requesting commentsfeedback for new courses.txt

----- Original Message -----

From: "Mihaela Cardei" <mihaela@cse.fau.edu>

To: "Tamara Dinev" <tdinev@fau.edu>, "Borko Furht" <bfurht@fau.edu>

Sent: Monday, August 22, 2011 4:53:08 PM

Subject: Re: MSITM foundation courses - requesting comments/feedback for new courses

Hi Tamara and Borko,

We had a similar situation for the MSITM program and have added a list of prerequisites for students with different backgrounds, please see the attachment.

I have no specific comment, everything looks fine, requiring the students with deficiencies to take prerequisites or foundation courses is a good idea.

Thanks,

Mihaela

----- Original Message -----

From: "Tamara Dinev" <tdinev@fau.edu>

To: "Borivoje Furht" <bfurht@fau.edu>

Cc: "Mihaela Cardei" <mcardei@fau.edu>

Sent: Monday, August 22, 2011 1:24:17 PM

Subject: RE: MSITM foundation courses - requesting comments/feedback for new courses

Hi Borko and Mihaela:

Thank you for looking at this. The files you attached in your email are the syllabi for the undergraduate courses. I am attaching the ones which we propose forming now - the Foundation Courses that are equivalent to these undergraduate but for the graduate students. These are designed as deficiency courses for students who come without this undergraduate knowledge.

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I attach for you all the relevant files for which we ask for your comments. The memo describes the need for these courses.

Your own students will not be affected by this change since these are only designed for the upcoming students on the softer, managerial side. Your students will exceed the needed background but we often get, say English majors who don't know what database is or what TCP/IP protocol is. Similar to the MBA course flow which I also attach and which accommodates for the most basic accounting or finance course for students who have never taken these before.

I am more than willing that we all sit and discuss this. Let me know of a convenient time for you.

Tamara

-----Original Message-----

From: Borko Furht [mailto:bfurht@fau.edu]

Sent: Monday, August 22, 2011 1:03 PM

To: Tamara Dinev

Cc: Mihaela Cardei

Subject: Fwd: MSITM foundation courses - requesting comments/feedback for new courses

Dear Tamara,

Sorry for the delay in responding to your email. I am forwarding your email to Mihaela Cardei, who is graduate advisor for the MSITM program. She will review the courses and share with us her recommendations. Perhaps, we need to meet to discuss the details.

Thanks.

Borko

FW MSITM foundation courses - requesting commentsfeedback for new courses.txt

----- Original Message -----

From: "Tamara Dinev" <tdinev@fau.edu>

To: borko@cse.fau.edu

Sent: Monday, August 8, 2011 3:23:04 PM

Subject: MSITM foundation courses - requesting comments/feedback for new courses

Hi dear Borko:

I hope my email finds you well. These days it will be nice to get together and coordinate our efforts to push for our joint MSITM program for its strategic growth.

The reason I am contacting you today, however, is another. It is about the need to introduce the so-called Foundation Courses in our flow for students who are missing important undergraduate background courses.

Since the MSIT program is joint with your dept and your department is closest to the material, per the new course approval procedures, I need to consult you and request you approval and written comments.

We find that we have many candidates that are coming from completely different educational background, are technologically savvy, but have gaps. For example, some have worked as System administrators but never touched databases; some have done a lot of datatabse/sql queries but know nothing about networking. So

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far we handled these on a case by case basis, but the logistics is very
difficult; We ask them to take the corresponding deficiency undergraduate
courses, based in the previous experience/education:

ISM 3230 - Introduction to computer systems

ISM 4220 - Business Data Communications

ISM 4212 - Database Mgmt Systems

ISM 4133 - Adv Sys Analysis & Design

However, the mere registration for undergraduate courses when they are
graduate students is very messy, and has difficulties if not impossible.

The students are confused - they were shown one flowchart when they were
admitted, now they are told that there are deficiency courses they have to
take, etc.

If we tell them before they are officially admitted and they want to register
and take them, they do that as non-degree seeking students and have last
priority - by that time the classes are filled.

We decided to go through what other departments go in our College, and
probably in yours - Introducing the so called Foundation Courses. They are
identical to the undergraduate ones but at graduate level, with the number 6
in front. As graduate course, the only difference will be that there will be
extra work such as a Case study or a paper. But the textbook, the material,
and the exams will be identical to the undergraduate twin. The great advantage
is that since these foundation courses will become part of the MSITM
flowchart, the students will be able to take them when they are admitted in

FW MSITM foundation courses - requesting commentsfeedback for new courses.txt
the program, not before as it is now.

So the graduate twins of the above listed courses will be: ISM 6230, ISM 6220,
ISM 6212, ISM 6133. They need be taken only if there is deficiency in the
student's undergraduate education or industrial experience and do not carry
credits toward the Graduate program.

I attach for you the flow chart and the syllabi. Also, I attach the memo I
prepared to the GC. For us to go ahead and seek the College and University GC,
we have to have your comments. Please respond to this email and let me know
your feedback.

Wishing a successful and smooth beginning of the semester:

Tamara

=====

Tamara Dinev, Ph.D.

Chair and Associate Professor

Department of Information Technology and Operations Management

College of Business

Florida Atlantic University

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Boca Raton, Florida 33431

TEL: (561) 297-3181

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e-mail: tdinev@fau.edu



Dr. Tamara Dinev
ITOM Department Chair, Associate Professor
Department of Information Technology & Operations Management
Barry Kaye College of Business
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777 Glades Road
Boca Raton, FL 33431
Tel: 561.297.3181
tdinev@fau.edu

College of Business Graduate Council

TD

Re: Creation of Foundation Courses for the MSITM program

A major obstacle for the MSITM (Master of Science In Information Technology and Management) students turns out to be taking the MIS undergraduate deficiency courses. Since students come from various educational and professional backgrounds, they may have a need, evaluated on per-student basis, to complete one or more of MIS (Management Information Systems) undergraduate courses before enrolling or continuing with their MSITM course flow.

The College of Business has adopted a framework to offer deficiency undergraduate courses under the envelope of 6000 level Foundation Courses. These are not credit earning courses, so they are not additional to the COB graduate programs. Per the recommendation of the Graduate office, ITOM has voted to create its group of new graduate FOUNDATION COURSES for the MSITM graduate program as follows:

- ISM 6217, Database Management Systems
 - undergraduate equivalent: ISM 4212
- ISM 6225, Business Data Communications
 - undergraduate equivalent: ISM 4220
- ISM 6140, Information Technology Fundamentals
 - undergraduate equivalent: ISM 3230
- ISM 6123, Advanced Systems Analysis & Design
 - undergraduate equivalent: ISM 4133

The Foundation courses cannot be taken for a credit. These courses are in addition to the 30 credits required for the MSITM degree. Foundation courses may be waived if equivalent courses have been taken at the undergraduate level or equivalent professional experience has been attained.

Rationale and Advantages for the Foundation Courses

- 1) In terms of the recruitment process, the Graduate Office wants to admit qualified applicants to a graduate program instead of referring them to a future semester (after completion of undergraduate courses). Having a pre-defined list of graduate foundation courses creates a smoother process for enrolling students.
- 2) Second, to avoid the non-degree seeking dilemma. Students currently are advised to take the deficiency undergraduate courses before entering the program or while their application is processed. However, they are non-degree seeking students and they can only register the last week. By then, all our

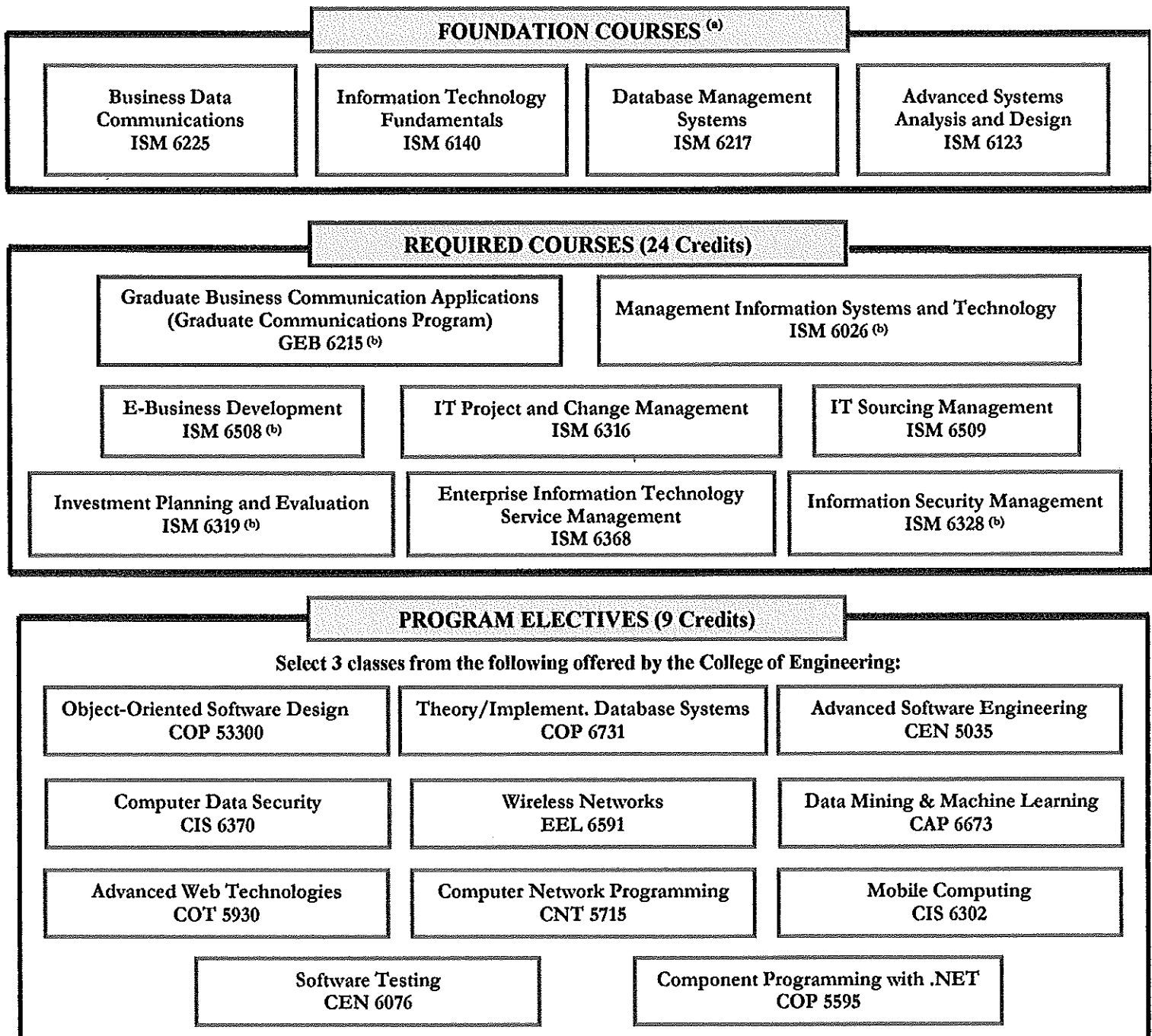
undergraduate classes are closed so they cannot register. Cap overrides are not possible because most of the classes are in lab with computer seats.

- 3) Third, graduate students prefer to take foundation courses at the graduate level instead of at the undergraduate level. COB faculty also prefer this option. Additionally, once we admit the applicants, they are eligible to register for the graduate level foundation courses. Thus, they avoid the special accommodations the advisors have to go through to justify a graduate student taking undergraduate courses and getting tuition waivers and similar types of obstacles.
- 4) The great advantage is that since these foundation courses will become part of the MSITM flowchart, the students will be able to take them when they are admitted in the program, not before as it is now.

Roller E. Smith 9-27-11
Chair, College of Business Graduate Council

MSITM — Master of Science in Information Technology and Management

Minimum 33 Hours Required for Graduation



(a) Foundation courses cannot be taken for credit; however, prior course work or professional experience may be considered in lieu of these courses, with departmental approval.

(b) It is recommended that GEB 6215 be taken in the first semester. It must be taken prior to or concurrent with ISM 6026, ISM 6319, ISM 6328, and ISM 6508.