

# IS455 – Information Systems Management Course Syllabus

Instructor: Richard W. Egan  
Office: GITC 4101 – GITC Building – 4th Floor  
Office Hours: See Web Site: <http://web.njit.edu/~Egan/>  
E-mail: [egan@njit.edu](mailto:egan@njit.edu) and/or [LecturerRich@gmail.com](mailto:LecturerRich@gmail.com)

## Overview

This course emphasizes how information systems enable core and supportive business processes, as well as those that interface with suppliers, partners and customers. It will discuss basic administrative, management, and policy issues associated with the impact of information systems on the user and organization. Topics include the definition, role and strategic uses of IS, enterprise computing architecture and infrastructure, security, privacy and ethics.

The second part of the course looks at Business Processes within organizations. What the Business process view is and why it is important, how IS can improve processes and how ERP systems are being used to help with that improvement. A detailed look at two processes including hands on use of an ERP (SAP) system is included

## Required Background

This course recommends completion of a 100 level course in the computing sciences: CS 101 or CS 111 or CS 113 or CS 115 or IS 118 as a prerequisite and requires junior standing. Students who are not Information Systems majors should have at least one introductory management course. Exceptions to this must be with the permission of the instructor. Exceptions may be done for part-time, adult students who have some work experience in an Information System environment. The course is intensive and taught as a senior level course.

## Topics Covered

- Introduction to Systems and the Role of Managers
- Information Systems defined and it's role
- Competing in the Information Age
- E-Commerce
- Strategic uses of IS
- Security, Privacy and Ethics
- Business Process, what it is, why is it important
- Using IS to improve Processes
- Using ERP Systems to help improve processes
- Detailed look at two processes, Procurement and Sales with hands on tutorials

## Text

Essentials of Information Systems for Managers, by Gabe Piccoli, John Wiley and Sons,  
ISBN 978-1-1180-5711-7, January 2012, ©2012, Paperback, 423 pages

Essentials of Processes, Systems, and Information with SAP Tutorials – McKinney, Kroenke 2014

ISBN 10: 0-13-340675-X

ISBN 13: 978-0-13-340675-7

## Honor Code

Both NJIT and Rutgers students are expected to follow published guidelines on academic honesty and integrity. You must acquaint yourself with these policies before submitting any assignments. All written work must be original. Violations of NJIT/Rutgers policies will be reported to the Dean of Students at both institutions and may result in failure on a particular assignment, failure in the course, failure in the course and probation, or failure in the course and expulsion. Honor Code violations will be pursued immediately and aggressively. Please note: There will be no warnings or chances with regard to cheating. Any discovered case of cheating will be immediately passed to the Dean of Students for further investigation.

***This is your warning now. Cheating is not worth it - you may not only fail this course, but also be suspended from NJIT. The full text of the NJIT Honor Code is available for your review at***  
<<http://www.njit.edu/academics/honorcode.php>>

## E-Mail and Moodle

All students MUST be setup with NJIT e-mail accounts that are activated. If there are messages that I need to send out, I will be using the standard method via pipeline and or Moodle. They both have all students in the class with their NJIT or default email.

Additionally, you need to make sure that you are also in the proper classes within Moodle. Moodle will be used as a vehicle for project groups to privately post discussions and e-mail each other. It is also the place where your grades are posted.

If you do not know how to activate your e-mail or update Moodle, call the help desk at 2900.

Too often students have not activated their NJIT e-mail or do not check it and miss out on the mailings that are sent. If you have a preferred e-mail, forward your NJIT mail there.

## Grading

The approximate point weight of each assignment is:

Assignments (8) inc. 2 hands on	70%
Discussion Forums (weekly)	15%
Implications (weekly)	15%
Total	100%

## Hands-on Exercises

Hands-on integrated exercises are part of the text and as such provide the capability of actually using an ERP system. These exercises require the student to apply text concepts to “real-world” situations. This allows the student to experience what an employee in a process must do. The tutorials are in the Business Process text and the assignments in Moodle explain what is required for completion and submission.

## Participation

Your participation in classroom discussions is expected.

Exams - There are no exams

Course Schedule – Homework assignments are listed in Moodle, Note that there are weekly implications due before class and weekly online discussion during the week of class.

Class	Topic	Assignment
1	<b>Introduction</b>	
2	<b>Information Systems and the role of Managers</b>	Chapter 1
3	<b>Information Systems Defined</b>	Chapter 2 – Chap 2 HW
4	<b>Organizational Systems and Their Impact</b>	Chapter 3 – Chap 3 HW
5	<b>Competing in the Information Age</b>	Chapter 4– Chap 4 HW
6	<b>Security, Privacy and Ethics</b>	Chapter 13– Chap 13 HW
7	<b>E-Commerce</b>	Chapter 5– Chap 5 HW
8	<b>Strategic Information Systems</b>	Chapter 6 – Chap 6 HW
9	<b>Business Processes, and Information Systems</b>	Chapter 1 – BP Text
10	<b>Using IS to Improve Processes</b>	Chapter 2 – BP Text
11	<b>Supporting Processes with ERP System</b>	Chapter 3 – BP Text
12	<b>The Procurement Process</b>	Chapter 4 – BP Text
13	<b>Procurement Process Tutorial w/SAP</b>	Appendix 4 – BP Text
14	<b>The Sales Process</b>	Chapter 5 – BP Text
15	<b>Sales Process Tutorial w/SAP</b>	Appendix 5 – BP Text