RUTGERS
Rutgers Business School
Newark and New Brunswick

Supply Chain Management
Course Number: 22:799:659
Course Title: Supply Chain Solutions with ERP/SAP I

COURSE DESCRIPTION

This course provides a technical overview of Enterprise Resource Planning Systems and their role within an organization. It introduces key concepts of integrated information systems and explains why such systems are valuable to businesses. SAP ECC is introduced to illustrate the concepts, fundamentals, framework, general information, technology context, technological infrastructure, and integration of enterprise-wide business applications. In addition to lectures, students will be guided through several hands-on activities of various business processes in SAP ECC.

COURSE MATERIALS

There is no required textbook for the course. It is impossible for one book to cover all the aspects of ERP design and implementation. Instead, I will gradually post course materials on Canvas, under the "Course Documents" folder.

LEARNING GOALS AND OBJECTIVES

This course is designed to help students develop skills and knowledge in the following area(s):

- **Business knowledge**. Students will have a command of business theory and practice in the field of supply chain management.

  Students who complete this course will demonstrate:

  a) Mastery of fundamental business concepts and an ability to integrate and apply these concepts to resolve practical business problems.
  b) Proficiency at analyzing and interpreting numerical data to resolve practical business problems.

- **Global perspective**. Students will have the breadth of perspective necessary to lead effectively function in a global and diverse business environment.

  Students who complete this course will demonstrate:

  a) An understanding of how to conduct business internationally.

- **Persuasive communication**. Students will be effective communicators.

  Students who complete this course will demonstrate:

  a) Ability to construct clear, concise, and convincing written business communication.

Students develop these skills and knowledge through the following course activities and assignments:

- **Lectures**. Besides delivering basic concepts, architecture and terminology of an ERP system, the lectures focus on various business functional areas, such as procurement, production, sales, inventory and accounting, and explain how they are related, realized, and integrated by an ERP system. In addition, the deployment of ERP systems for companies in a global and diverse business environment will be introduced.

- **Research Paper**. Each student is required to individually complete a 5–7-page research paper on the advantages and development directions of ERP systems under the guidance of the instructor. This will help students better master the basic concepts of ERP, understand the need and examine the capabilities of ERP systems. The challenge is how to cover all the necessary contents with sufficient justifications and evidences within 5–7-page limit.

- **Labs**. Five required labs in SAP ECC 6.0 will be assigned for students to acquire experience in using ERP software that can be applied in future coursework and career. Each lab will deal with one functional area in real business. This can help students understand how basic business concepts are realized in reality using ERP systems. Students can continue working on them until the deadlines specified in the course schedule.

- **Exam**. Basic ERP system concepts will be tested and an ERP system implementation case will be studied for students to gain some experience on real business problems. Students will be further asked to use the ERP system to manage some practical business requests in various modules.

- **Project**. Each student will be asked to conduct transactions on sales planning, production planning, procurement, production control, inventory management, and sales and delivery in the SAP ECC system by following a given business case. Business process integration, the critical feature of ERP systems, will be experienced and demonstrated in this project for students to understand how integration enhances business processes. Appropriate decisions and transactions will need to be carried out based on various reports and information generated from the ERP system. Written business communications will be further trained and tested in the project as a project report is required besides completing all the works in the ERP system.

PREREQUISITES

No formal prerequisites, but it is expected to have business process and system knowledge.

ACADEMIC INTEGRITY

I do NOT *tolerate cheating*. Students are responsible for understanding the RU Academic Integrity Policy http://academicintegrity.rutgers.edu/

I will strongly enforce this Policy and pursue *all* violations. On all examinations and assignments, students must sign the RU Honor Pledge, which states, "On my honor, I have neither received nor given any unauthorized assistance on this examination or assignment." I will screen all written assignments through *SafeAssign* or *Turnitin*, plagiarism detection services that compare the work against a large database of past work. Don't let cheating destroy your hard-earned opportunity to learn. See business.rutgers.edu/ai for more details.

ATTENDANCE AND PREPARATION POLICY

- Expect me to attend all class sessions. I expect the same of you. If I am to be absent, I will send you notice via email and Canvas as far in advance as possible. If you are to be absent, report your absence in advance at https://sims.rutgers.edu/ssra/. If your absence is due to religious observance, a Rutgers-approved activity, illness, or family emergency/death and you seek makeup work, also send me an email with full details and supporting documentation within 5 days of your first absence.

- For weather emergencies, consult the campus home page. If the campus is open, class will be held.

- Expect me to arrive on time for each class session. I expect the same of you.

- Expect me to participate fully in each class session. I expect the same of you. Stay focused and involved. You cannot learn if you are not paying attention.

DEADLINE EXTENSION AND EXAM MAKE-UP POLICIES

Deadlines will not be extended (late submissions will not be graded) unless you have a serious reason, and, in such cases, you **must** notify the instructor **3 days** before the deadline.

There will be no make-up exams unless you have a serious reason, and, in such cases, you **must** notify the instructor **5 days** before the exams.

ONLINE RESOURCES

www.sap.com
service.sap.com
help.sap.com
www.sapfans.com

GRADING POLICY

Research Paper	14%
Learning Lab I on Master Data	4%
Learning Lab II on FI/CO	3%
Learning Lab III on SD	3%
Learning Lab IV on MM	4%
Learning Lab V on PP	4%
Exam	40%
Individual Project	28%

A or A-: [90, 100]; B+ or B: [80-89); B-, C+ or C: [64-79); C- or D: [55-63); F [0, 54)

COURSE SCHEDULE

Topic	Assignment
Syllabus and Course Introduction Introduction to SCM, ERP & SAP	SAP GUI installation
ERP Systems – Architecture SAP ECC Navigation	Research Paper assigned User Id and password distribution
Organization Structure	Test SAP GUI
Master Data I (FI/CO, SD)	Lab I A Master data assigned
Master Data II (MM, PP)	Research Paper due Lab I B Master data assigned
Financial Accounting (FI) and Controlling (CO)	Lab I part A and B due Lab II FI/CO assigned
Sales and Distributions (SD)	Lab II due Lab III SD Assigned
Materials Management (MM)	Lab III due Lab IV MM assigned
No class –	
Guest lecture by TBD Topic: SAP Financials / S4 HANA	Lab IV due
Production Planning (PP)	Lab V PP assigned Individual Project assigned
Introduction to Analytics Reviews: Project and Labs	Lab V due
Mid-term Exam assigned	Individual project due
Project learnings / Project discussion	
Guest lecture by TBD Extra assignment review if required	Mid-term exam due

SUPPORT SERVICES

If you need accommodation for a *disability*, obtain a Letter of Accommodation from the Office of Disability Services. The Office of Disability Services at Rutgers, The State University of New Jersey, provides student-centered and student-inclusive programming in compliance with the Americans with Disabilities Act of 1990, the Americans with Disabilities Act Amendments of 2008, Section 504 of the Rehabilitation Act of 1973, Section 508 of the Rehabilitation Act of 1998, and the New Jersey Law Against Discrimination. More information can be found at ods.rutgers.edu.

[Rutgers University-New Brunswick ODS phone (848)445-6800 or email dsoffice@echo.rutgers.edu]

[Rutgers University-Newark ODS phone (973)353-5375 or email ods@newark.rutgers.edu]

If you are *pregnant*, the Office of Title IX and ADA Compliance is available to assist with any concerns or potential accommodations related to pregnancy.

[Rutgers University-New Brunswick Title IX Coordinator phone (848)932-8200 or email jackie.moran@rutgers.edu]

[Rutgers University-Newark Office of Title IX and ADA Compliance phone (973)353-1906 or email TitleIX@newark.rutgers.edu]

If you seek *religious accommodations*, the Office of the Dean of Students is available to verify absences for religious observance, as needed.

[Rutgers University-New Brunswick Dean of Students phone (848)932-2300 or email deanofstudents@echo.rutgers.edu]

[Rutgers University-Newark Dean of Students phone (973)353-5063 or email DeanofStudents@newark.rutgers.edu]

If you have experienced any form of *gender or sex-based discrimination or harassment*, including sexual assault, sexual harassment, relationship violence, or stalking, the Office for Violence Prevention and Victim Assistance provides help and support. More information can be found at http://vpva.rutgers.edu/.

[Rutgers University-New Brunswick incident report link: http://studentconduct.rutgers.edu/concern/. You may contact the Office for Violence Prevention and Victim Assistance at (848)932-1181]

[Rutgers University-Newark incident report link: https://cm.maxient.com/reportingform.php?RutgersUniv&layout_id=7 . You may also contact the Office of Title IX and ADA Compliance at (973)353-1906 or email at TitleIX@newark.rutgers.edu. If you wish to speak with a staff member who is confidential and does **not** have a reporting responsibility, you may contact the Office for Violence Prevention and Victim Assistance at (973)353-1918 or email run.vpva@rutgers.edu]

If students who have experienced a temporary condition or injury that is adversely affecting their ability to fully participate, you should submit a request via https://temporaryconditions.rutgers.edu .

If you are a military *veteran* or are on active military duty, you can obtain support through the Office of Veteran and Military Programs and Services. http://veterans.rutgers.edu/

If you are in need of *mental health* services, please use our readily available services.

[Rutgers University-Newark Counseling Center: http://counseling.newark.rutgers.edu/]

[Rutgers Counseling and Psychological Services–New Brunswick: http://rhscaps.rutgers.edu/]

If you are in need of *physical health* services, please use our readily available services.

[Rutgers Health Services – Newark: http://health.newark.rutgers.edu/]

[Rutgers Health Services – New Brunswick: http://health.rutgers.edu/]

If you are in need of *legal* services, please use our readily available services: http://rusls.rutgers.edu/

Students experiencing difficulty in courses due to *English as a second language (ESL)* should contact the Program in American Language Studies for supports.

[Rutgers–Newark: PALS@newark.rutgers.edu]

[Rutgers–New Brunswick: eslpals@english.rutgers.edu]

If you are in need of additional *academic assistance*, please use our readily available services.

[Rutgers University-Newark Learning Center: http://www.ncas.rutgers.edu/rlc

[Rutgers University-Newark Writing Center: http://www.ncas.rutgers.edu/writingcenter]

[Rutgers University-New Brunswick Learning Center: https://rlc.rutgers.edu/]

[Optional items that many faculty include:

 - Students must sign, date, and return a statement declaring that they understand the RU Academic Integrity Policy.

 - Students must sign, date, and return a statement declaring that they understand this syllabus.]