

Faculty of Engineering, University of Debrecen

Academic year 2022/2023

Department: Engineering Management and Entrepreneurships

Program: Engineering Management MSc (I. Year)

Course title and Neptun-code: Control of an Integrated Information System

MK5INFRM04MX17-EN

Semester: 2022/2023 Spring

Classes per week: 1 Lecture and 3 Seminar

Course credit value: 5

Prerequisites: (-)

1. INSTRUCTORS:

This course aims to explain the main characteristics of Enterprise Resource Planning systems (ERPs) theoretically and also introduces how to navigate in SAP Easy Access Menu in practice. The illustration of SAP S/4 HANA systems is supported the students at universities of management and engineering sciences with no previous experience.

2. COURSE GOALS:

After completing the course, students will be able to understand the main reasons for implementing ERP systems and will be able to work independently on business processes and case studies by navigating the SAP user interface. Furthermore, this material will serve as a benchmark for casual users of SAP S/4 HANA and FIORI systems. The course covers the main features and functions of the SAP user interface. The course will also guide the end-users through the various processes of the logistics information system such as materials management, sales and distribution, etc. SAP as a key and best used financial, accounting, controlling functions that make information more manageable and accessible.

3. COURSE SCHEDULE

Week, date	Lecture	Seminars
Week 1	Determining the requirements of the course.	
Week 2	SAP S/4 HANA GUI Systems main features and functions of the User Interface	Navigation in the Easy Access Menu
Week 3	What is new in SAP? Navigation in HANA GUI	The general configuration options available, setting and changing user defaults, parameters, using the favourites folder, sending messages etc.
Week 4	Introduction to the ERP Systems	Creating documents and sending by Business Workplace, Calendar Function
Week 5	Introduction to Enterprise Systems for Management	Retrieving the available standard report, report selections, creating and modifying a report variant. Running reports in the background.
Week 6	Global Bike Industries (GBI)	Query and manage own jobs and jobs created by other users, display, save and print the resulting lists (export requests) available in the spool folder.
Week 7	1. Drawing Week (27.-31./03/2023)	
Week 8	No lecture	I. Midterm test at seminars

Week 9	GBI Navigation in FIORI	Navigation course in Fiori
Week 10	Sales and Distribution in GUI SD	SAP GUI SD - Goods Receipt, Shipping, Billing
Week 11	Integrating ERP systems in practice	SAP GUI SD - Inquires, Quotation, Sales Orders
Week 12	Sales and Distribution in GUI FIORI	Case Study SD Fiori
Week 13	No lecture	II. Midterm test at seminars
Week 14	2. Drawing Week (15.-19./5/2023)	

4. COURSE AND EXAM REQUIREMENTS

Students have to take a midterm test during the semester. Failed test can be rewritten as regulated by the Statutes of Examination and Teaching. Personal attendance is required. Students cannot miss more than three (3) seminars for the signature.

5. ASSESSMENT AND GRADING:

The exam evaluated according to the following grading schedule:

0 - 50% – 1

50% - 60% – 2

60% - 70% – 3

70% - 80% – 4

80% - 100% – 5

6. COMPULSORY READINGS

Bardhan B., Baumgartl A., Nga-Sze C, Dudgeon M., Górecki P., Lahiri A., Meijerink B., Worsley-Tonks A: (2021): SAP S/4HANA: An Introduction, SAP Press, ISBN 978-1-4932-2056-4

Mazzulo, J. – Wheatley, P. (2006): SAP R/3 for Everyone: Step-by-Step Instructions, Practical Advice, and Other Tips and Tricks for Working with SAP, Prentice Hall * ISBN-13: 978-0131860858

Schulz. O. (2017): Using SAP: An Introduction for Beginners and Business Users, SAP Press, ISBN 978-1-4932-1405-1

7. RECOMMENDED READINGS**

Anderson, G. (2011): Teach Yourself SAP in 24 Hours, Fourth Edition, Sams publisher
George Anderson. ISBN-13: 978-0672335426

Mehta M., Aijaz U., Duncan T., Parikh S: (2019): SAP S/4HANA Finance: An Introduction: SAP Press, ISBN 978-1-4932-1778-6

Bhattacharjee D., Narasimhamurti V., Desai C., Vazquez G. B., Walsh T., (2019): Logistics with SAP S/4HANA: An Introduction, SAP Press, ISBN 978-1-4932-1781-6

8. OTHER

Hours:

Lecture	Hour	Room
Tuesday	16.00-17.00	413
Seminar 1	Hour	Room
Tuesday	17.00-20.00	321
Seminar 2	Hour	Room
Wednesday	10.00-13.00	321
Seminar 3	Hour	Room
Wednesday	13.00-16.00	321
Seminar 4	Hour	Room
Wednesday	16.00-19.00	321

TEACHER

Domicián Máté, PhD

Associate Professor (Department of Engineering Management and Entrepreneurships)

Contacts:

Office Hours	Office	Telephone
Tuesday (14.00-16.00)	202/d	88244

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The Regulation of Studies and Examinations and the Code of Ethics of the University of Debrecen apply to all questions related to the course and requirements.