ERP Systems 7.5 credits
D0026E

Affärssystem - ERP

Course syllabus admitted: Spring 2024 Sp 3 - Present

DECISION DATE
2023-06-16

ERP Systems 7.5 credits D0026E

Affärssystem - ERP

First cycle, D0026E

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG *	Systemvetenskap	Informatics/Computer and Systems Sciences

Main field of study

Information Systems Sciences

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and Added to that, you must have studied databases, systems development, and programming equivalent to D0019N Software development with Java, D0006N Object-Oriented Analysis and Design, and D0005N Databases II or equivalent courses.

Selection

The selection is based on 1-165 credits.

Course Aim

After the course, students should be able to:

- Understand the need for computerized support of managerial decision making
- Understand the evolution of enterprise systems
- Define Enterprise Systems
- Define the components of enterprise systems
- Explain the role of enterprise systems
- Explain the functional organizational structure
- Illustrate the flows in business processes
- Understand the types of data in enterprise systems
- Describe the various ERP implementation methods
- Explain the core business processes: procurement, fulfillment, and production
- Explain integrated business processes
- Explain how to manage ERP projects

LULEÅ
TEKNISKA
UNIVERSITET

Contents

This course is setout to provide in-depth understanding of enterprise-wide systems commonly referred to as Enterprise Resource Planning (ERP) Systems or Enterprise Systems (ES). These are large-scale systems that encompass most of an organization's business processes in an integrated manner.

The course will cover those topics:

- Introduction to enterprise systems
- Business process
- Main functions and business processes in organizations
- Integrated business processes
- Document and master data required
- Implementation methodologies ERP project management

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
During the course, students will work on individual tasks on Open Source ERP systems in order to solve business problems and cases. Teaching is in English and consists of teacher-led lectures (on campus and internet), tasks that you solve individually or in groups, discussions and tutoring. For independent distance learning students, the course is completely network-based without compulsory meetings.

The course may be given in English.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.
Practical Hands-on individual & group assignments 2,5 hp (U/G)
Written examination, 5 hp (U/G/VG)

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

Access to PC with Windows XP, microphone, web cam and permission to install software. Internet connection, minimum 0,5 Mbps.

Course offered by

Department of Computer Science, Electrical and Space Engineering

LULEÅ
TEKNISKA
UNIVERSITET

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0003	Practical Hands-on individual and group assignments	U G#	2.5	Mandatory	S21	
0004	Oral exam	U G VG *	5	Mandatory	S24	

Last revised

by Robert Brännström 2023-06-16

Syllabus established

by Jonny Johansson, HUL SRT 2018-02-15

LULEÅ
TEKNISKA
UNIVERSITET