C# and form based application development 7.5 credits L0006B

C# och Windowsbaserad applikationsutveckling

Course syllabus admitted: Autumn 2013 Sp 1 - Present

DECISION DATE
2013-02-08

LULEÅ
TEKNISKA
UNIVERSITET

C# and form based application development 7.5 credits L0006B

C# och Windowsbaserad applikationsutveckling

First cycle, L0006B

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Geografisk informationsteknologi	Geographic Informations Technology and Surveying

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 Basic Courses in Programming and Database Techniques, for example L0002B and L0003B or analogous knowledge acquired through other courses or proved practical work.

Selection

The selection is based on 1-165 credits.

Examiner

Folke Stridsman

Course Aim

The aim of the course is to give the students ability to understand and explain object oriented principals and concepts and how these are realized in C#. They shall also be able to apply this knowledge in program development for Windows. Further more the students shall master programming techniques involving database management and necessary error handling. Students shall be familiar with and understand how, maps can be integrated in an application.

Contents

- IDE (Integrated Development Environment)
- Classes and objects
- Flow of control
- Methods
- Arrays
- Inheritance
- Polymorphism, interfaces and overloading
- Error handling
- GUI
- Strings
- Files and streams
- Database management with ADO.NET
- ActiveX component for maps (MS MapPoint)

LULEÅ TEKNISKA UNIVERSITET

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
Lectures, laboratory work. No compulsory lectures.

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.
Assignment reports.

Remarks

Courses followed through Internet demands access to some sort of broadband.
This course is available in both English and Swedish version.

Overlap

The course L0006B is equal to ABL015

Literature. Valid from Autumn 2007 Sp 1

To be announced.

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0001	Assignment	7.5	U G#

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Eva Gunneriusson 2013-02-08

Syllabus established

by Department of Civil and Environmental Engineering 2007-01-31

LULEÅ
TEKNISKA
UNIVERSITET