C++ Software Engineering

for engineers of other disciplines

Introduction:

"Course Description"



Course Description



• 8 weeks, 11 Modules, 30 Lectures, a mini-project and a project!

C++ Modules
C++ Syntax
C++ 00P
C++ Templates
C++ Embedded
C++ Build
C++ Network Programming
C++ Parallelism

Quality Assurance Modules
Software Quality Assurance
Code Quality Assurance

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Crash Course On Essentials				Höstlov	Project Practicing The Lectures (LAB)			
Daily Schedule: • 3hrs Lecture • 3hrs Assignments – optional attendance • Or Mini-project and Recaps				Vacation	Daily Schedule: • 1hrs Lecture • 4hrs Group Activities • 1hrs Discussion (review of the day)			

Course Schedule



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C++ Modules
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C++ OOP
C++ Templates
C++ Embedded
C++ Build
C++ Network Programming
C++ Parallelism

Quality Assurance Modules

Software Quality Assurance

Code Quality Assurance

Software Engineering Modules

Software Development Essentials (SDE)
Software Engineering

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Basic Syntax I	Recap	Recap	Recap		Architecture	Parallelism	Unit testing	Preprocessing
Basic Syntax II	Mini-project	Mini-project	Mini-project		Requirement	Threads I	Debugging	Value Cat.
Mini-project	SDE Basics	Basic Templates	C++ Build		Design I	Threads II	Dynamic A.	Adv. Cons.
C++ 00P I	SDLC	Mini-project	Mini-project		Design II	IPC I	Static A.	Delegation
C++ OOP II	Test	C++ Embedded	Recap		socketCAN	IPC II	Exceptions	Modern C++



- Who are you?
 - Education?
 - Programming experiences?
 - Professional
 - Hobby projects
 - GNU/Linux experience?
- Why are you here?

