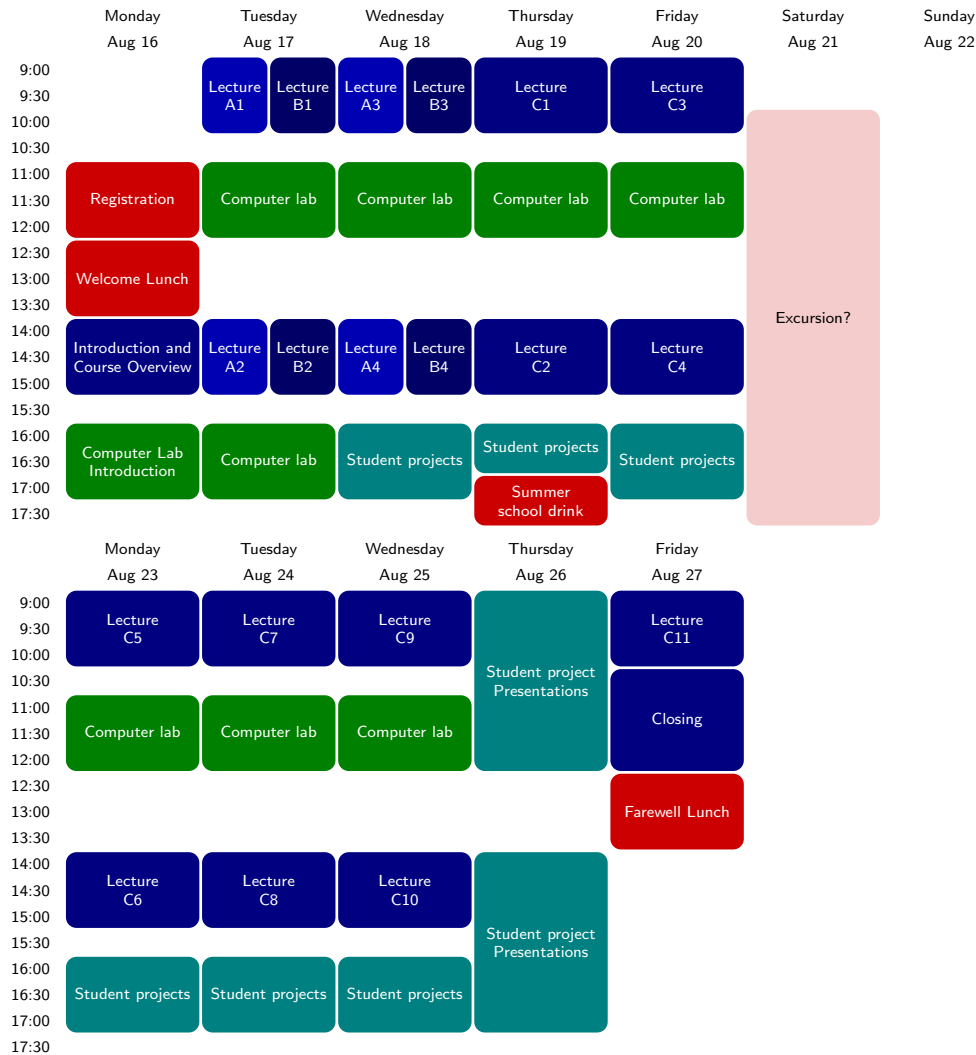


USCS 2010 – Applied functional programming

Preliminary programme

Last updated: March 15, 2010

Please keep in mind that the programme is tentative. Course contents and level of the course might be adjusted as soon as we know who participates. So please check once in a while for updates.



Lecture	Topic	Lecture	Topic
<i>A-series for Haskell beginners</i>		<i>C-series for all participants</i>	
A1	Basic language concepts	C1	Testing with QuickCheck
A2	Datatypes	C2	Functional data structures
A3	IO	C3	Monads
A4	Type classes	C4	GUI programming and the FFI
<i>B-series for advanced Haskellers</i>		C5	Debugging and profiling
B1	Lambda calculus	C6	Domain-specific languages I
B2	Typed lambda calculus	C7	Domain-specific languages II
B3	Type inference	C8	Concurrency
B4	Monad transformers	C9	Type-level programming
		C10	Case study
		C11	Attribute grammars and UHC