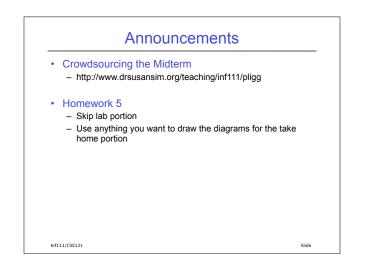
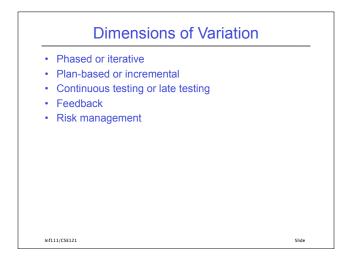
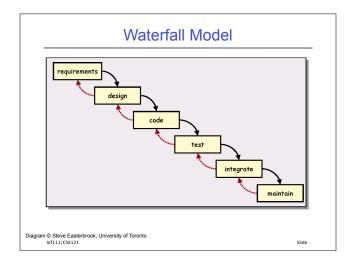
Tuesday, October 25

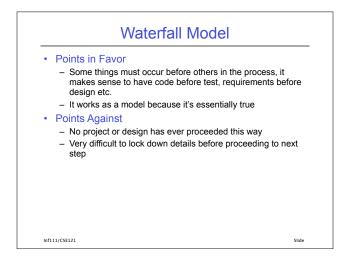


Software Process Models

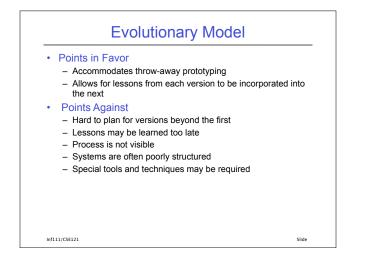
## Software Process Model is a simplified representation of the software process, presented from a specific perspective. General and abstract Software Process is a set of activities whose goal is the development or evolution of software Specific and enacted Like the difference between class and object/instance

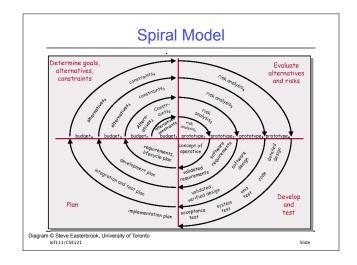


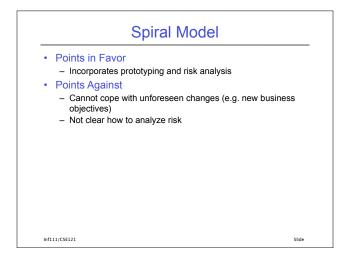




					•			
	₹		code tes	st integra	ite O&M		ach release	development e adds more
				de test	integrate	O&M	functio	nality)
			rele	ase 3			-	
	-			sign coo	le test	integrate	e O&M	
	•••••			releas	e 4			
				-> des	ign code	test	integrate	O&M
_								
version	1							
	qts	design	code	test	integrate	0&M		
			version 2	le	ssons learnt		_	
			reqts	design	code	test	integrate	O&M
Evol	ution	ny deve	lopment	version 3	, ]		lessons learnt	
			rporates	reg		ion	ode te:	st integrate
		quireme						

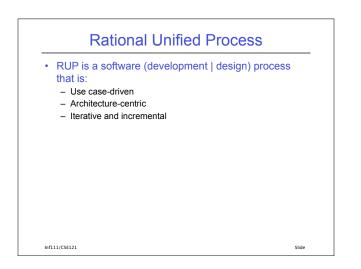


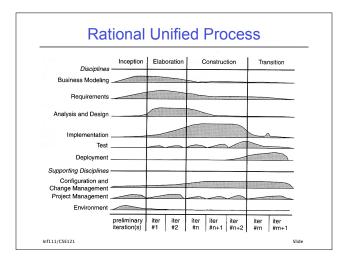


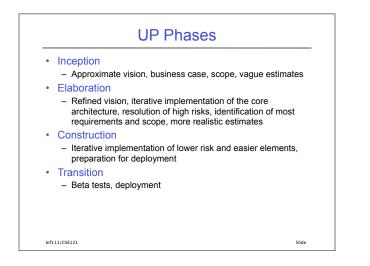


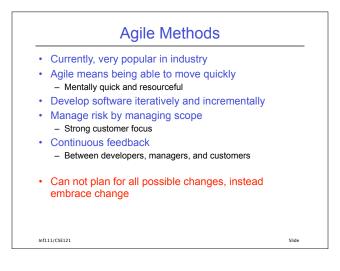
Question	
What is the difference between iterative and incremental?	
Inf111/C55121	Slide

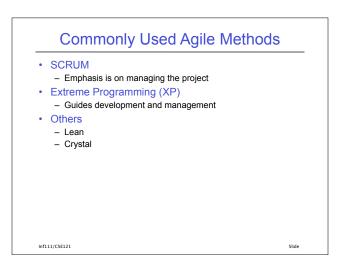
Thursday, October 28



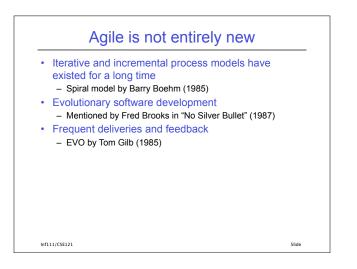


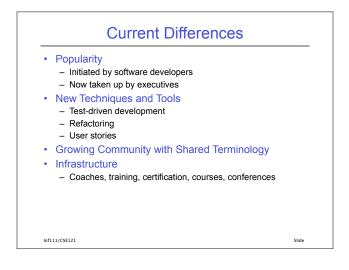


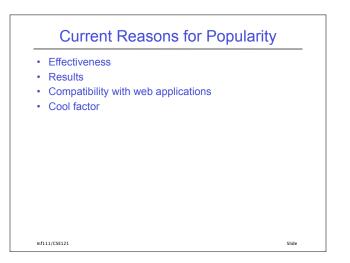


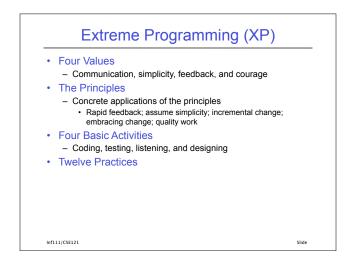


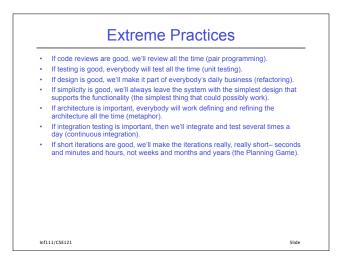








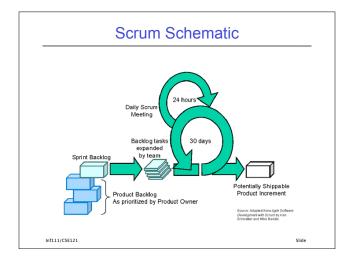




Programmer Practices	Simple Design Test-driven development Refactoring Pair programming Collective code ownership Continuous integration Coding standards	
Management Practices	Planning Game Small releases 40-hour week	
Customer Practices	On-site customer Metaphor	

Scrum	
<ul> <li>Derived from the rugby term "scru</li> <li>Despite appearances, is a organized skill</li> </ul>	
Work is done in sprints (iterations)	) that form releases
Key Roles: Scrum Master and Pro Site Customer)	oduct Owner (On-
Key Practices: Daily stand-up mee and burn-down chart	eting, time-boxing,
nf111/CSE121	Slide



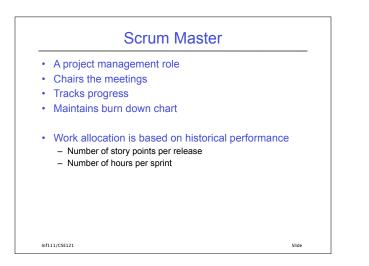


## Steps in the Scrum Process

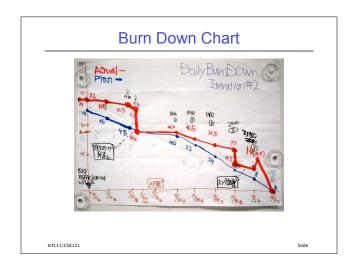
Product Owner identifies backlog task items (User Stories)
Releases are planned

Scrum team estimates the cost of user stories
Product Owner prioritizes user stories

Asprint begins with a Sprint Planning Meeting
User Stories are broken down into tasks with time estimates
Anyone doing work is involved, including testers, system administrators, documentation writers
Every day begins with a daily stand-up meeting
A sprint ends with a Sprint Review Meeting







## **Misconceptions About Agile**

Myth: Agile is undisciplined
Fact: Agile *is* disciplined, but not in a traditional way
Myth: Agile is not suitable for large teams
Fact: Agile can be used on large teams, but requires a more overhead than plan-based approaches
Myth: Agile is not suitable for geographicallydistributed teams
Fact: Agile does work in these settings, if you have the discipline, infrastructure, and organizational support.
Myth: Agile means no documentation
Fact: You can use as much or as little documentation as you need on agile.
Myth: Agile means no architecture
Myth: Agile means no planning