	Thorsday		page 1
team	definition due today	assign men Spm	+
	s anyone not person team		
	chech curren	t enrollmen	4 M 220
Mtrod	project produce thursd	signment sposal ay 9/26/13	SpM
504+	ware process		
ever	y software out least tu	process inc	ludes
[· analy	code	code	Fix Fix
M	which is k	DeHer? personal	USC

4156 Thorsday 9/19/13 page 2 system
ve gurement & software
reguments > analysis 7 show conseworks program
design > coding testing more steps needed for delivery to customer operations what really happens in practice? previous step not to more remote steps)

Thou consenship to manageable

change process scoped to reasonable

limits with each successive step but in practice testing comes too lake a may find in surmountable problems that regumes return to origin a show an four

4156 Thursday 9/19/13 page 3 note the moumountable problems described in paper probably would not be big rossues today, but there can be other / big issues probably only big problem today for embedded devices return to origin mas mean 100000 overrun in schedule 2/or costs Steps early a then treat as constraint (partot reguments) # Fand also produce huge amount of do comentation at every step in process #3 final Pat ut solution is
"do it twice" - not just a prototype
but a small scale model of system #4 Special emphasis on testing Specialist testers independent from developes, visual code inspection coverge of every logic path

4156 Thusday 9119113 Pase 4 T tommib at various earlier points
proof to delivery results in very complicated we some what convoluted) version of waterfall > show course works figure but basically had gist of many ment modern rocks on suffware development customers of except downent atom part military on fortunately, many readers took away only the basic version of waterfall - and undertood it as recommended rather than the strauman that didn't work processes were develop became popular mostly varant on delivery

OR - incremental delivery

often combined - Herations produce increments

4156 Thursday 9/19/13 Pase 5 por muemental entire requirement + design Cycle of then code stest, deliver here only mor realista cycle partial reguments of sports of sports of the corresponding partial terrans por iterative would build on entire new version of system each time reusing very little it any previous work "extreme programming" is an extreme example of an iterative incremental approach - lots of specific New about how to do each step -> 5 how couseworks links

4156 Thorsday 9)19/13 Page 6 let's talk a bout the 4156 process Unitions of waterfall, but employing some agreement techniques e.s. pair pagranoming Variont of waterfall, since we have time for only one iteration, but employing some agile techniques there will be a team milestore nearly every week a few weeks there will be industrial assignment of examps motead next assignment is proposal after that is plan
- firm up requirements
- use JIRA (optional tutorial) then testing then destate. then design, codms, testing, more testing, lot of testing tutorial Friday?