

**UST Engineering - Complete Course Offering Summer 2009 - Spring 2012
(Planning Document Only - Course Offerings May Change)**

ETLS	Course Title	Required	Elective	Class Taken	2009-2010				2010-2011				2011 - 2012				Times Offered
					SU 09	F 09	J 10	SP 10	SU 10	F 10	J 11	SP 11	SU 11	F 11	J 12	SP 12	
501	Production Operating Systems	1														3	
502	Manufacturing Processes	1														4	
504	Excellence in Operations	1														6	
505	Managerial Accounting & Perf. Mgmt	1														7	
506	Statistical Methods for Mfg Quality	1														6	
507	Intro System Engineering	1														6	
508	Systems Design	1														6	
509	Verification and Validation	1														6	
520	Design & Mfg in Med Device Industry	1														4	
550	Leveraging Leadership for a Lifetime I	1														9	
551	Strategic Quality Mgt.	1														3	
552	Supply Chain Synchronization.	1														3	
555	Product Design															3	
570	Purchasing, Logistics & Distribution.	1														4	
571	Automation Systems		1													3	
591	Advance Thermal Sciences	1														6	
601	Program./Project/Team Management	1														6	
603	Design to Production Transition		1													3	
626**	Product Risk Mgmt (FEMA, Risk Analysis)															0	
640	Lean Six Sigma	1														4	
650	Leveraging Leadership for a Lifetime II	1														6	
661**	Eng Economic Analysis & Prod Costing		1													0	
670	Masterful Leaders & Leadership	1														6	
671	Human Aspects of Tech Mgt.	1														6	
672	Excellence in Product Design	1														6	
674	Managing for Improved Performance		1													3	
677	Sustainable Development Strategies		1													3	
699/04	Philosophy of Design															3	
699/05	Technology of Thin Films															3	

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701	Design of Experiments	1														3	
720	Anatomy & Physiology for Med Devices		1													1	
721	Med Dev - Regulatory Submissions	1														3	
722	Med Dev - Quality Systems	1														3	
723**	Biomaterials in the Design of Med Devices															0	
724	Med Dev - Clinical Studies		1													3	
730	Cardiovascular Anatomy & Phys		1													2	
731	FDA Drug & Biologics Submissions & Quality Systems															2	
737	Int'l Regulatory Affairs for Med Devices	1														3	
744	Into to Power Systems		1													3	
752	Anal & Anticip Tech Change	1														3	
770**	Automated Control Mfg. Processes		1													0	
771	Materials Engineering	1														3	
772**	Injection Molding, Die Casting & Related Net Shape Processes															0	
773**	MEMS		1													0	
774	Introduction to Mechatronics															3	
775**	Polymers in Design															0	
777	Finite Element Analysis	1														6	
778**	Process Des-Computer		1													0	
783	Curriculum Practical Study & Training		1													12	
785**	Simulation Logistics		1													0	
789	Simulation & Visualization of Dynamic Systems															3	
815**	Leadership & Tech		1													0	
840**	TechTransfer		1													0	
850	Leveraging Leadership for Lifetime III	1														6	
851	Enterprise Info. Systems	1														4	

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852	Technology Risk Management.	1			■	■	■	■	■	■	■	■	■	■	■	3	
853	Intro. To Intellectual Property Law	1			■	■	■	■	■	■	■	■	■	■	■	6	
855**	Implementing Innovation		1		■	■	■	■	■	■	■	■	■	■	■	0	
858	Capstone	1			■	■	■	■	■	■	■	■	■	■	■	6	
880	Directed Study	1			■	■	■	■	■	■	■	■	■	■	■	12	
881	Engineering Project - Pt I	1			■	■	■	■	■	■	■	■	■	■	■	12	
882	Engineering Project - Pt II				■	■	■	■	■	■	■	■	■	■	■	12	
	Blank box means course offered																
	Course Not Offered																
	**Currently Not Scheduled																