

**TENTATIVE MASTER COURSE SCHEDULE**  
**School of Polymer, Textile Fiber Engineering, Georgia Institute of Technology**  
**November 2008**

Course Number	Hours	Title	FA 08	SP 09	SU 09	FA 09	SP 10	SU 10	FA 10
PTFE 1100	(0-3-1)	Introduction to PTFE	X			X			X
PTFE 2200	(2-3-3)	Structure of Properties of Fibers/Polymers	X	X		X	X		X
PTFE 2689	(1-12)	Research Assistantship	X	X	X	X	X	X	X
PTFE 2699	(1-12)	Undergraduate Research	X	X	X	X	X	X	X
PTFE 3200	(3-0-3)	Yarn and Fabric Formation		X			X		
PTFE 3210	(2-3-3)	Fundamentals of Transport in Polymer/Fiber Processes & Structures		X			X		
PTFE 3220	(3-0-3)	Operations & Mgt Methods		X			X		
PTFE 3221	(1-3-2)	Textile Formation & Testing Lab		X			X		
PTFE 3230	(3-0-3)	Polymer & Fiber Processing		X			X		
PTFE 3720	(3-0-3)	Introduction to Fiber Enterprise Management	X	X	X	X	X	X	X
PTFE 4020	(0-3-1)	Textile Management Internship							
PTFE 4043	(1-0-1)	Safety & Ethics	X			X			X
PTFE 4100	(2-0-2)	Chemical Processing of Textile Materials	X			X			X
PTFE 4101	(2-0-2)	Carpet Technology							
PTFE 4102	(2-0-2)	Nonwovens Technology							
PTFE 4103	(2-0-2)	Knitting Technology							
PTFE 4104	(2-0-2)	Advanced Woven Fabrics							
PTFE 4106	(2-3-3)	Science of Color							
PTFE 4107	(2-0-2)	Applications of Mechanics of Textile Structures							
PTFE 4108	(2-0-2)	Textile Production Economics: A Global Perspective							
PTFE 4110	(2-3-3)	Polymer & Fiber Engineering Design I	X			X			X
PTFE 4122	(0-3-1)	Textile Chemistry Lab	X			X			X
PTFE 4140	(3-0-3)	Polymer Solutions & Surfaces	X			X			X
PTFE 4141	(3-3-4)	Instrumental Methods of Polymer Characterization	X			X			X
PTFE 4210	(0-9-3)	Polymer & Fiber Engineering Design II		X			X		
PTFE 4698	(1-12)	Research Assistantship	X	X	X	X	X	X	X
PTFE 4699	(1-12)	Undergraduate Research	X	X	X	X	X	X	X
PTFE 4720	(3-0-3)	Fiber Processing for Managers							
PTFE 4721	(3-0-3)	Fabric Processing for Color and Performance							
PTFE 4723	(2-0-2)	Properties of Textile Materials							
PTFE 4761	(2-3-3)	Introduction to Systems & Controls		X			X		
PTFE 4775	(3-0-3)	Polymer Science & Eng I	X	X		X	X		X
PTFE 4776	(2-3-3)	Polymer Science & Eng II	X	X		X	X		X
PTFE 4777	(3-0-3)	Introduction to Polymer Science & Eng							
PTFE 4791	(3-0-3)	Mechanical Behavior of Composites							
PTFE 4793	(3-0-3)	Composite Materials and Process							
PTFE 4794	(2-3-3)	Composite Materials and Manufacturing							
PTFE 4801	(1-0-1)	Special Topics in Polymer & Fiber & Eng.							
PTFE 4802	(2-0-2)	Special Topics in Polymer & Fiber & Eng.							
PTFE 4803	(3-0-3)	Special Topics in Polymer & Fiber & Eng.							

**The courses marked with an X are those typically taught on a regular rotation by PTFE.**

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PTFE 4804	(4-0-4)	Special Topics in Polymer & Fiber & Eng.							
PTFE 4901	(1-21)	Special Problems in Polymer & Fiber Eng.	X	X	X	X	X	X	X
PTFE 4902	(1-21)	Special Problems in Polymer & Fiber Eng.	X	X	X	X	X	X	X
PTFE 4903	(1-21)	Special Problems in Polymer & Fiber Eng.	X	X	X	X	X	X	X
PTFE 6100	(3-0-3)	Mechanics of Fibrous Materials							
PTFE 6101	(3-0-3)	Dynamics of Textile Processing I: Dry Processing							
PTFE 6200	(3-0-3)	Industrial Chemical Processes							
PTFE 6201	(3-0-3)	Dye Synthesis							
PTFE 6202	(3-0-3)	Physical Chemistry of Polymer Sorption							
PTFE 6301	(3-0-3)	Natural Polymers							
PTFE 6750	(3-0-3)	Preparation and Reaction of Polymers		X			X		
PTFE 6751	(3-0-3)	Physical Chemistry of Polymer Solutions		X			X		
PTFE 6752	(3-3-4)	Polymer Characterization	X			X			X
PTFE 6755	(3-0-3)	Theoretical Chemistry of Polymers					X		
PTFE 6759	(3-0-3)	Materials in Environmentally Conscious Design & Manufacturing							
PTFE 6768	(3-0-3)	Polymer Structure, Physical Properties and Characterization		X			X		
PTFE 6778	(3-0-3)	Introduction to Biomaterials							
PTFE 6796	(3-0-3)	Structure-Property Relationships in Materials							
PTFE 6797	(3-0-3)	Thermodynamics & Kinetics of Microstructural Evolution							
PTFE 6998	(1-0-1)	Safety & Ethics	X			X			X
PTFE 6999	(1-0-1)	Textile and Fiber Engineering Graduate Research Colloquium	X	X	X	X	X	X	X
PTFE 7000	(1-21)	Master's Thesis	X	X	X	X	X	X	X
PTFE 7100	(3-0-3)	Advanced Principles of Fiber Formation Structure & Properties							
PTFE 7771	(3-0-3)	Mechanics of Polymer Solids and Fluids	X			X			X
PTFE 7791	(3-0-3)	Damage, Failure & Durability of Composite Materials							
PTFE 7792	(3-0-3)	Advanced Mechanics of Composites							
PTFE 7793	(3-0-3)	Manufacturing of Composites							
PTFE 7999	(1-0-1)	Preparation for Doctoral Qualifying Exams	X						
PTFE 8001, -	(1-0-1)	PTFE Seminar	X	X		X	X		X
PTFE 8801, - 02, -03, -04	(1-4)	Special Topics	X	X		X	X		X
PTFE 8813	(2-3-3)	Special Topics	X			X			X
PTFE 8814	(3-3-4)	Special Topics							
PTFE 8900, - 01, 02	(1-4)	Special Problems	X	X	X	X	X	X	X
PTFE 8997	(1-21)	Teaching Assistanship	X						
PTFE 8998	(1-21)	Research Assistanship	X						
PTFE 9000	(1-21)	Doctoral Thesis	X	X	X	X	X	X	X

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