

**TEXTBOOK LIST -- FALL 07-08**

Paper and Chemical Engineering, Miami University

COURSE NO.	AUTHOR & TITLE (LATEST EDITION UNLESS NOTED)	Instructor	PUBLISHER	COURSE LIMIT	ESTIMATED ENROLLMENT
PCE 201	Handbook of Pulp and Paper Technologist, 3 <sup>rd</sup> edition, Gary A Smook, 2002	D. Steven Keller	Angus Wilde Publications Inc. ISBN: 0-9694628-5-9	25	15
PCE 204/610	Felder, R. & R. Rousseau, <b>ELEMENTARY PRINCIPLES OF CHEMICAL PROCESSES</b> , 3 <sup>rd</sup> edition	Catherine Almquist	John Wiley & Sons, NY ISBN: 0-471-53478-1	25	20
PCE 219	Riley, William F., Sturges, Leroy D., <b>STATICS AND MECHANICS OF MATERIALS: AN INTMMEATED APPROACH</b> , 2 <sup>nd</sup> edition, 2001	Douglas Coffin	John Wiley & Sons ISBN: 0471434469	25	25 This is a cross-listed course. Check MME sheets
PCE 301	Principles of Wet End Chemistry, 1996, William E Scott  Chemical Pulping, 1999, Johan Gullichsen and Hannu Paulapuro	D. Steven Keller	TAPPI PRESS ISBN: 0898522862 FAPET Oy ISBN: 952-5216-06-3	15	10
PCE 311/PCE 550	Anderson, PO. V., <b>TECHNICAL COMMUNICATION – A READER-CENTERED APPROACH</b> , 5 <sup>th</sup> Edition, 2003	Roscoe Ward	Thompson – Heinle, 2003 ISBN: 1413002838	21	21
PCE 313/MME 313 PCE 613	Munson, Young & Okiish, <b>Fundamental of Fluid Mechanics</b> – 5 <sup>th</sup> edition,  <b>Schaum's Outline Fluid Mechanics and Hydraulics</b> , 3rd edition, 1994	Roscoe Ward/ Van Kuren	John Wiley & Sons 0-471-67582-2  McGraw Hill ISBN: 0070205094	30	15 Note: This is a cross-listed course. Check MME sheets
PCE 314/MME 314	Cengel & Boles – <b>THERMODYNAMICS: AN ENGINEERING APPROACH</b> , 6 <sup>th</sup> edition	Robert Peterson/ Lei Kerr	McGraw Hill ISBN 007-330-5375	20	15 Note: This is a cross-listed course. Check MME sheets
PCE 341/MME 341	<b>SEE Mechanical &amp; Manufacturing Engineering Book Order</b>	Errol Gundler	Oxford Press ISBN: 0195152611	30	12 Note: This is a cross-listed course. Check MME sheets.
PCE 403/503	<b>Principles of Heat Transfer – sixth edition (Frank Kreith &amp; Mark S. Bohn)</b>	Michael Waller	Thomson-Engineering ISBN: 0534375960	20	
PCE 404/620	<b>Paper Machine Design and Operation</b> , by G. Gavelin	Michael Waller	Angus Wilde ISBN 0-9694628-2-4	35	25
PCE 416	Bioprocess Engineering, Basic Concepts, 2 <sup>nd</sup> edition (2002) M.L. Shuler and F. Kargi	Marvin Thrash	Prentice Hall ISBN: 0130819085	15	10
PCE 441/541	<b>Pollution Prevention: Fundamentals and Practice</b> , Paul L. Bishop, 2004	Catherine Almquist	Waveland Press Inc ISBN-13: 978-1577663485	30	20
PCE 482/582	Smith & Corripio, <b>PRINCLPLE AND PRACTICE OF AUTOMATIC PROCESS CONTROL</b> , 2005	Marvin Thrash	Wiley and Sons (0-471-43190-7)	15	12

PCE 611	R. Byron Bird, Warren E. Stewart, Edwin N. Lightfoot, <b>Transport Phenomena, 2<sup>nd</sup> edition</b>	Shashi Lalvani	John Wiley and Son ISBN: 0470115394	5	5
PCE 620	Handbook of Pulp and Paper Technologist, 3 <sup>rd</sup> edition, Gary A Smook, 2002	D. Steven Keller	Angus Wilde Publications Inc. ISBN: 0-9694628-5-9	10	5

No Textbook required for:

PCE 320

PCE 471/472

PCE 600