

2024 Fall Textbook List

SCU Course #	Pitt Course #	Chinese Course Name	English Course Name	Textbook	ISBN	Publisher	Author
312005040	MATH 0230	解析几何与微积分2 (全英文)	Analytic Geometry and Calculus 2	Essential Calculus	9781133492566	Cengage Learning	James Stewart
312006030	MATH 0280	矩阵与线性代数导论 (全英文)	Matrices and Linear Algebra	Linear Algebra: A Modern Introduction Edition 4	9781337296977	Cengage	David Poole
312007030	MATH 0290	微分方程 (全英文)	Differential Equations	Differential Equations with Boundary Value Problems	9780131862364	Pearson	John Polking
312009040	PHYS 0175	基础物理2-理工 (全英文)	Physics for Science and Engineering 2	Principles of Physics	9781119820611	John Wiley and Sons, Inc.	David Halliday
312010030	CHEM0960	工科化学1 (全英文)	General Chemistry for Engineers 1	Chemistry Atom First	9781260571349	McGraw Hill	Julia Burdge and Jason Overby
312014030	ENGR 0022	材料结构与性能 (全英文)	Material Structure and Properties	Materials Science and Engineering: An Introduction	9781118717189	Wiley	William D. Callister
312015030	ENGR 0135	静力学与材料力学1 (全英文)	Statics and Mechanics of Materials 1	Statics and Mechanics of Materials: An Integrated Approach. 2nd Edition.	9781118942932	Wiley	W. F. Riley, L. D. Sturges, and D. H. Morris
312016030	ENGR 0145	静力学与材料力学2 (全英文)	Statics and Mechanics of Materials 2	Statics and Mechanics of Materials: An Integrated Approach. 2nd Edition.	9780471434467	Wiley	W. F. Riley, L. D. Sturges, and D. H. Morris
312018030	IE 1035	工程管理 (全英文)	Engineering Management	Managing Engineering and Technology	9780133485103	Pearson Higher Education, Inc.	Lucy C. Morse and Daniel L. Babcock
312019030	IE 1040	工程经济学分析 (全英文)	Engineering Economic Analysis	Engineering Economic Analysis	9780190296902	Oxford University Press	Don Newnan, Jerome Lavelle, Ted Eschenbach
312021030	MEMS 0040	制造工艺与分析 (全英文)	Manufacturing Processes and Analysis	Fundamentals of Modern Manufacturing	9781119475293	Wiley	Mikell P. Groover
312022030	IE 1054	生产力分析 (全英文)	Productivity Analysis	Work Systems and the Methods Measurement and Management of Work	9780131355699	Pearson Education Limited	Groover, Mikell P.
312026030	IE 1080	供应链管理 (全英文)	Supply Chain Analysis	Design and Managing the Supply Chain Concepts Strategies and Case Studies	9780073341521	McGraw Hill Education	Simchi-Levi, David, Kaminsky, Philip
312028030	IE 1081	运筹学 (全英文)	Operations Research	Introduction to operations research	9780073523453	McGraw-Hill Education	F.S. and Lieberman, G.J
312037030	ECON0100	人文社科选修1: 微观经济 (全英文)	Microeconomics	No Textbook Required			
312037030	ECON0100	人文社科选修1: 微观经济 (全英文)	Microeconomics	No Textbook Required			
312037030	ECON0100	人文社科选修1: 微观经济 (全英文)	Microeconomics	No Textbook Required			
312046030	ME 0071	流体力学导论 (全英文)	Introduction to Fluid Mechanics	Fox and McDonald's Introduction to Fluid Mechanics 9th Edition SI version	9781118958988	Wiley	Philip J. Pritchard, John W. Mitchell
312047030	ME 1014	动力学系统 (全英文)	Dynamic Systems	Modeling and Analysis of Dynamics Systems	9781138726420	CRC Press	Ramin S. Esfandiari and Bei Lu
312048030	ME 1015	刚体动力学 (全英文)	Rigid Body Dynamics	Engineering Mechanics Volume 2 Dynamics	9781119390985	Wiley	J.L. Meriam and L.G. Kraige
312049030	MEMS 1028	机械设计1 (全英文)	Mechanical Design 1	Shigley's Mechanical Engineering Design	9780073398211	McGraw Hill	d, Richard G. Budynas and J. Keith Nisbett
312050030	ME 1029	机械设计2 (全英文)	Mechanical Design 2	Shigley Mechanical Engineering Design	9780073398204	McGraw Hill	Richard G Budynas and J Keith Nisbett

312051030	ME 1041	机械测量1 (全英文)	Mechanical Measurements 1	Theory and Design for Mechanical Measurements 7th edition	9781118881279	Wiley	Richard S. Figliola, Donald E. Beasley
312052030	ME 1042	机械测量2 (全英文)	Mechanical Measurements 2	Theory and Design for Mechanical Measurements 7th edition	9781119475651	Wiley	Richard S. Figliola, Donald E. Beasley
312053030	TECHME01	应用热力学 (全英文)	Technical Elective: Applied Thermo	Thermodynamics an Engineering approach	9789813157873	McGraw Hill	Cengel Yunus
312054030	MEMS 1052	热质传导 (全英文)	Heat and Mass Transfer	Incropera's Principles of Heat and Mass Transfer 1st edition	9781119409090	Wiley	Frank P. Incropera, David P. DeWitt, Theodore L. Bergman, Adrienne S. Lavine
312056030	MSE 1010	材料科学与工程实验方法 (全英文)	Experimental Methods in Materials Science and Engineering	No Textbook Required			
312058030	MSE 1030	材料选择 (全英文)	Material Selection	Materials Selection in Mechanical Design	9781856176637	Butterworth-Heinemann	Michael F. Ashby
312059030	MSE 1053	晶体结构与衍射 (全英文)	Structure of Crystals and Diffraction	Structure of Materials: An Introduction to Crystallography, Diffraction and Symmetry	9781107005877	Cambridge University Press	Marc De Graef, Michael E. McHenry
312060030	MSE 1059	相平衡 (全英文)	Phase Equilibria in Multi	Introduction to the Thermodynamics of Materials	9781498757003	CRC Press	D. R. Gaskell and D. Laughlin
312068010	ENGR0081	新生研讨会及形势与政策1 (双语)	Freshman Seminar	No Textbook Required			
312068010	ENGR0081	新生研讨会及形势与政策1 (双语)	Freshman Seminar	No Textbook Required			
312070000	MEMS0085	院系研讨会及形势与政策3 (双语)	Department Seminar	No Textbook Required			
312072000	MEMS0085	院系研讨会及形势与政策5 (双语)	Department Seminar	No Textbook Required			
312074000	MEMS0085	院系研讨会及形势与政策7 (双语)	Department Seminar	No Textbook Required			
312083030	MEMS 0024	机械工程设计制造导论 (全英文)	Introduction to Mechanical Engineering Design	Introduction to CATIA V5 Release 19	9781585035342	CRC Press	Plantenburg
312085030	ENGCOMP0200	专业英语写作 (全英文)	Seminar in Composition	A Writer's Reference Tenth Edition	9781319191887	Bedford/St. Martin	Dianna Hacker, Nancey Sommers
312095030	TECHME02	技术选修8: 自动化控制 (全英文)	Technical Elective: Automatic controls	Control System Engineering	9781119474227	Wiley	Norman S. Nise
312099030	MEMS1043	毕业设计1 (全英文)	Senior Design	No Textbook Required			
312099030	MEMS1043	毕业设计1 (全英文)	Senior Design	No Textbook Required			
312099030	MEMS1043	毕业设计1 (全英文)	Senior Design	No Textbook Required			
312104030	TECHIE03	技术选修: 质量控制 (全英文)	Technical Elective: Design of Experiments and Quality Assurance	Introduction to Statistical Quality Control	9781118146811	Wiley	Douglas C. Montgomery
312120030	TECHIE05	技术选修: 质量管理与六西格玛 (全英文)	Technical Elective: Quality Management & Six Sigma	Managing for Quality and Performance Excellence	9780357442036	Cengage Learning	Evans, James R.; Lindsay, William M.
312122030	TECHIE04	技术选修: 人体工程学导论 (全英文)	Technical Elective: Introduction to Ergonomics	Introduction to Ergonomics	9780415312660	Taylor & Francis	Robert Bridger
312123030	ENGCOMP0200	人文社科选修: 社会研究 (全英文)	HSS: Social research	No Textbook Required			
312128030	ANTH0538	人文社科选修: 考古学家的死亡观 (全英文)	H/SS Elective: The Archeologist Looks At Death	No Textbook Required			

312141030	IE 1070	概率、随机变量与分布 (全英文)	Probability, Random Variables, and Distributions	Probability and Statistics for Engineers and Scientists	9781292161365	Pearson	Ronald E. Walpole
312142030	MEMS 0031	电路学 (全英文)	Electrical Circuits	Introduction to Electric Circuits	9781119456162	Wiley	Svoboda and Dorf
312149030	TECHMSE02	技术选修: 材料的张量分析 (全英文)	Technical Elective: Tensor Analysis in Materials	No Textbook Required			
312151030	TECHME03	技术选修: MATLAB工程应用 (全英文)	Technical Elective: MATLAB for Engineering Applications (ME student only)	No Textbook Required			
312170030	ENGR 0011	工程分析导论 (全英文)	Intro. to Engineering Analysis	MATLAB Programming for Engineers	9780537030394	Cengage	Steven J. Chapman
312171040	CMPINF 0010	计算机与信息技术导论 (全英文)	Big Ideas in Computing and Information	New Perspectives on Computer Concepts 2018	9781035951495	Cengage	June Jamrich Parsons
312172040	CMPINF 0401	中级编程 (全英文)	Intermediate Programming	No Textbook Required			
312172040	CMPINF 0401	中级编程 (全英文)	Intermediate Programming	No Textbook Required			
312173030	TECHIE02	技术选修: 数据挖掘 (全英文)	Technical Elective: Data Mining	Data Mining: Concepts and Techniques	9780123814791	Morgan Kaufmann	Jiawei Han , Micheline Kamber, Jian Pei
312175040	ECE 0201	数字电路与系统实验 (全英文)	Digital Circuits & Systems + Lab	Digital Design: With an Introduction to the Verilog HDL, VHDL, and SystemVerilog	9780134549897	Pearson	M. M. Mano, M. D. Ciletti
312176030	ECE 0301	用C++解决ECE问题 (全英文)	ECE Problem Solving with C++	Starting Out with C++ from Control Structures through Objects	9781292222332	Pearson	Tony Gaddis
312177030	ECE 0401	ECE分析方法 (全英文)	ECE Analytical Methods	Mathematical physics applied mathematics for scientists and engineers	9783527406722	Wiley	Bruce Kusse
312182030	ECE 1212	电子电路设计实验 (全英文)	Electronic Circuit Design Lab	No Textbook Required			
312182030	ECE 1212	电子电路设计实验 (全英文)	Electronic Circuit Design Lab	No Textbook Required			
312183030	ECE 1560	数字信号处理 (全英文)	Digital Signal Processing	Signals and Systems Using MATLAB	9780128142042	Academic Press	Luis F. Chaparro
312187030	ECE1259	电磁学 (全英文)	Electromagnetics	The theory of the electromagnetic field	9780486425672	Englewood Cliffs, N.J.: Prentice-Hall	David M. Cook
312189030	CS 0445	数据结构 (全英文)	Data Structures	No Textbook Required			
312191030	CS 0441	CS离散结构 (全英文)	Discrete Structures for CS	Discrete Mathematics and Its Applications	9780073383095	McGraw Hill	Kenneth Rosen
312193030	INFSCI 0310	信息科学计算 (全英文)	Computation in Information Science	No Textbook Required			
312193030	INFSCI 0310	信息科学计算 (全英文)	Computation in Information Science	No Textbook Required			
312195030	CS 0449	系统软件导论 (全英文)	Introduction to Systems Software	深入理解计算机系统(英文版·第3版)	9787111561279	机械工业出版社	兰德尔E.布莱恩特
312196030	CS 1501	算法实现 (全英文)	Algorithm Implementation	算法 (英文版第4版)	9787115416902	人民邮电出版社	Robert Sedgewick, Kevin Wayne
312199030	CS 1502	计算机科学的形式化方法 (全英文)	Formal Methods in Computer Science	No Textbook Required			
312199030	CS 1502	计算机科学的形式化方法 (全英文)	Formal Methods in Computer Science	No Textbook Required			
312200030	CS 1550	操作系统导论 (全英文)	Introduction to Operating Systems	操作系统——精髓与设计原理(第9版) 英文版	9787121390005	电子工业出版社	William Stallings

312200030	CS 1550	操作系统导论（全英文）	Introduction to Operating Systems	操作系统——精髓与设计原理（第九版）	9787121388316	电子工业出版社	William Stallings 著，陈向群译
312201030	MATH 1101	优化设计导论（全英文）	An introduction to optimization	Mathematical Programming: An Introduction to Optimization	9780367451615	CRC Press	Melvyn Jeter
312202030	CS 1530	软件工程（全英文）	Software Engineering	Software Engineering	9780137035151	Pearson	Ian Sommerville
312207030	CS 1675	机器学习导论（全英文）	Introduction to Machine Learning	Pattern Recognition and Machine Learning	9780387310732	Springer	Christopher M Bishop
312212040	ECE 0101	线性电路与系统实验（全英文）	Linear Circuits & Systems + Lab	The Analysis and Design of Linear Circuits（9th Edition）	9781119235385	Wiley	Thomas, Rosa & Toussaint
312223030	TECHMSE01	技术选修：固体物理（全英文）	Technical Elective: Solid State Physics	Introduction to Solid State Physics	9780471415268	Wiley	Charles Kittel
312224030	TECHIE01	技术选修：空气污染和控制（全英文）	Technical Elective: Air Pollution Engineering and Management	No Textbook Required			
312228030	Math 0480	应用离散数学（全英文）	Applied Discrete Mathematics	Discrete Mathematics with Applications	9780357114087	Cengage	Susanna S. Epp
312233030	HSS001	人文社科选修：健康与复原力——日记写作与分析（全英文）	H/SS Elective: Wellness and Resilience	No Textbook Required			
312238030	PHIL 0200	人文社科选修：古代哲学史（全英文）	H/SS Elective: History of Ancient Philosophy	Readings in Ancient Greek Philosophy	9781624665325	Hackett Publishing	Cohen Curd Reeve
312239030	HSS0685	人文社科选修：美国对外关系史（全英文）	H/SS Elective: U.S. Foreign Relations	No Textbook Required			
312240030	CHIN 1083	人文社科选修：中国文学名作：前现代（全英文）	H/SS Elective: Masterpieces of Chinese Lit.: Premodern	No Textbook Required			
312241030	ENGLIT 0610	人文社科选修：女性与文学（全英文）	H/SS Elective: Woman and Literature	No Textbook Required			
312242030	HAA 0010	人文社科选修：艺术概论（全英文）	H/SS Elective: Introduction to Art	美的历程	9787108030375	三联书店	李泽厚
312242030	HAA 0010	人文社科选修：艺术概论（全英文）	H/SS Elective: Introduction to Art	玛丽莲《艺术史》	9787521755558	中信出版集团	玛丽莲·斯托克斯塔德
312242030	HAA 0010	人文社科选修：艺术概论（全英文）	H/SS Elective: Introduction to Art	现代艺术史	9787535688804	湖南美术出版社	H. H. 阿纳森 / 伊丽莎白·C. 曼斯菲尔德
312242030	HAA 0010	人文社科选修：艺术概论（全英文）	H/SS Elective: Introduction to Art	艺术的故事	9787807463726	广西美术出版社	恩斯特·贡布里希
312244030	ECE 1110	计算机组成与体系结构（全英文）	Computer organization and architecture	计算机组成与设计 硬件 软件接口 英文版 原书第6版 MIPS版	9787111695707	机械工业出版社	戴维·A. 帕特森(David A. Patterson), 约翰·L. 亨尼斯(John L. Hennessy)