

2024 Spring Textbook List

SCU Course No.	Pitt Course No.	Chinese Course Name	English Course Name	Textbook	ISBN	Publisher	Author
312004040	MATH 0220	解析几何与微积分1	Analytic Geometry and Calculus 1	Essential Calculus	9781133112297	Cengage Learning	James Stewart
312005040	MATH 0230	解析几何与微积分2	Analytic Geometry and Calculus 2	Essential Calculus	978-1133112280	Cengage Learning	James Stewart
312006030	MATH 0280	矩阵与线性代数导论	Matrices and Linear Algebra	Linear Algebra: A Modern Introduction	978-1-285-46324-7	Apress	David Poole
312007030	MATH 0290	微分方程	Differential Equations	Differential Equations with Boundary Value Problems	978-1-292-03915-2	Pearson	John Polking
312008040	PHYS 0174	基础物理1-理工	Physics for Science and Engineering 1	Principles of Physics	978-1-118-23074-9	Wiley	David Halliday
312009040	PHYS 0175	基础物理2-理工	Physics for Science and Engineering 2	Principles of Physics	978-1-118-23074-9	Wiley	David Halliday
312011030	CHEM 0970	工科化学2	General Chemistry for Engineers 2	Chemistry: Atoms First	1260571343	Pearson	Julia Burdge
312014030	ENGR 0022	材料结构与性能	Materials Structures and Properties	Materials Science and Engineering: An Introduction	978-1-118-31922-2	Apress	W. D. Callister
312015030	ENGR 0135	静力学与材料力学1	Statics and Mechanics of Materials 1	Statics and Mechanics of Materials: An Integrated Approach	978-0-471-43446-7	Apress	William Riley
312016030	ENGR 0145	静力学与材料力学2	Statics and Mechanics of Materials 2	Statics and Mechanics of Materials: An Integrated Approach	978-0-471-43446-7	Apress	William Riley
312017030	IE 0015	信息系统工程导论	Introduction to Information Systems Engineering	数据库系统概念(英文精编版·第6版)	9787111400868	机械工业出版社	(美)Abraham Silberschatz
312021030	MEMS 0040	制造工艺与分析	Manufacturing Processes and Analysis	Fundamentals of Modern Manufacturing	9781119706427	Wiley	Mikell P. Groover
312023030	IE 1055	设施布局与材料处理	Facility Layout and Material Handling	Facilities Planning	9780470574157	John Wiley & Sons Ltd	J.A. Tompkins
312024030	IE 1061	人因工程学	Human Factors Engineering	Human Factors in Engineering and Design	9780070549012	McGraw Hill	Sanders and McCormick

312027030	IE 1071	统计测试与回归	Statistical Testing and Regression	Probability and Statistics for Engineers and Scientists	9781292161365	Pearson	R. E. Walpole等
312029030	IE 1082	概率方法	Probabilistic Methods in Operations Research	Introduction to Operations Research	9780073523453	McGraw Hill Education	FREDERICK S. HILLIER, GERALD J. LIEBERMAN
312030030	IE 1083	离散事件模拟	Simulation Modeling	Discrete-Event System Simulation	9781292024370	Pearson	Jerry Banks
312045030	ME 0051	热力学导论	Introduction to Thermodynamics	Fundamentals of Thermodynamics	9781119494966	Wiley	Borgnakke
312046030	ME 0071	流体力学导论	Introduction to Fluid Mechanics	Fox and McDonald's Introduction to Fluid Mechanics	9781118912652	Wiley	Philip Pritchard
312047030	ME 1014	动力学系统	Dynamic Systems	Modeling and Analysis of Dynamic Systems	978-1138726420	Apress	R. S. Esfandiari
312048030	ME 1015	刚体动力学	Rigid-Body Dynamics	Engineering Mechanics: Dynamics	9781119724179	Wiley	James L. Meriam
312049030	MEMS 1028	机械设计1	Mechanical Design 1	Shigley's Mechanical Engineering Design	9780073398211	McGraw Hill	Richard G. Budynas
312050030	ME 1029	机械设计2	Mechanical Design 2	Shigley's Mechanical Engineering Design	9781260569995	Apress	R.G. Budynas
312051030	ME 1041	机械测量1	Mechanical Measurements 1	Theory and Design for Mechanical Measurements	978-1-119-47565-1	Wiley	Richard S. F.
312052030	ME 1042	机械测量2	Mechanical Measurements 2	Theory and Design for Mechanical Measurements	978-1-119-47565-1	Wiley	Richard S. F.
312053030		应用热力学	Technical Elective: Applied Thermodynamics	Fundamentals of Thermodynamics	9781119495246	Wiley	Claus Borgnakke
312054030	MEMS 1052	热质传导	Heat and Mass Transfer	Principles of Heat and Mass Transfer	9781119382911	Wiley	Frank P. Incropera
312055030		应用流体动力学	Technical Elective: Applied Fluid	Fox and McDonald's Introduction to Fluid Mechanics	9781118912652	Wiley	Philip Pritchard
312061030	MSE 1063	扩散与相变	Phase Transformations and Microstructure Evolution	Phase Transformations in Metals and Alloys	9781003011804	CRC Press	Porter
312062030	MSE 1070	材料力学行为	Mechanical Behavior of Materials	Mechanical Metallurgy	70168938	McGraw Hill	Dieter, George E.

312063030	MSE 1058	材料电磁特性	Electromagnetic Properties of Materials	Classical Electromagnetism	9780486813714	Dover	Jerrold Franklin
312079040	MATH 0240	解析几何与微积分3	Analytic Geometry and Calculus 3	Essential Calculus	9781133492566	Cengage	James Stewart
312086030	MSE0048	材料热力学	Thermodynamics of Materials	Introduction to the Thermodynamics of Materials	9781315119038	Apress	David Gaskell
312131030		技术选修: 机械振动	Technical Elective: Mechanical Vibration	Engineering Vibration	9780273768449	Pearson	D.J. Inman
312140030		技术选修: 工业工程中的数据分析	Technical Elective: Data Analytics in Industrial Engineering	Data Mining: Concepts and Techniques	9780123814791	Morgan Kaufmann	Jiawei Han, Micheline Kamber, Jian Pei
312142030	MEMS 0031	电路学	Electric Circuits	Introduction to Electrical Circuits	9781118477502	Wiley	James A. Svoboda
312168030	ENGCMP 0152	英文写作研习	English Composition	A Writer's Reference, Tenth Edition	1319169406	Bedford/St. Martin	Diana Hacker, Nancy Sommers
312169030	ENGR 0012	工程计算	Engineering Computing	C++程序设计(第4版)学习辅导	9787302589884	清华大学出版社	谭浩强
312172040	CMPINF 0401	中级编程	Intermediate Programming	C Programming: A Modern Approach,	9780393979503	W. W. Norton & Company	K. N. King
312177030	ECE 0401	ECE分析方法	ECE Analytical Methods	Advanced Engineering Mathematics	9781119455929	John Wiley and Sons, Inc.	Erwin Kreyszig
312178040	ECE 0102	微电子电路实验	Microelectronic Circuits + Lab	Microelectronic Circuits	9780190853464	Oxford University Press	Sedra et al.
312179040	ECE 0202	嵌入式处理器与接口实验	Embedded Processors & Interfacing + Lab	Embedded Systems with ARM Cortex-M Microcontroller	9780982692660	E-Man Press LLC	Yifeng Zhu
312180030	ECE 0302	数据结构与算法	Data Structures & Algorithms	Data Abstraction and Problem Solving with C++: Walls and Mirrors	9780134463971	Pearson	Frank Carrano, Timothy Henry
312181030	ECE 0402	信号、系统与概率	Signals, Systems & Probability	Advanced Engineering Mathematics	9781119455929	John Wiley and Sons, Inc.	E. Kreyszig
312189030	CS 0445	数据结构	Data Structures	Data Structures and Abstractions with Java	9780134831695	Pearson	Frank M. Carrano, Timothy M. Henry
312190040	STAT 1000	应用统计方法	Applied Statistical Methods	Introduction to the practice of statistics	9781319013387	W.H. Freeman	Moore, David S., McCabe, George P., and Craig, Bruce A.

312191030	CS 0441	CS离散结构	Discrete Structures for CS	Discrete mathematics and its applications	9780073383095	McGraw Hill Education	Kenneth H. Rosen
312195030	CS 0449	系统软件导论	Introduction to Systems Software	深入理解计算机系统（英文版）	9787111561279	机械工业出版社	[美]兰德尔E.布莱恩特
312196030	CS 1501	算法实现	Algorithm Implementation	Algorithms	9780321573513	Addison Wesley; 4 edition	Robert Sedgewick, Kevin Wayne
312197030	STAT 1152	数理统计学导论	Introduction to Mathematical Statistics	Probability & Statistics for Engineers & Scientists	978-0-321-62911-1	Pearson	Walpole et al.
312198030	INFSCI 0510	数据分析	Data Analysis	Data Mining: Concepts and Techniques	9780123814791	Morgan Kaufmann	Jiawei Han, Micheline Kamber, Jian Pei
312215030		技术选修：工作系统设计	Technical Elective: Work Systems Design	Designing for People: An Introduction to Human Factors	9781539808008	Createspace Independent Publishing Platform	John D. Lee, Christopher D.Wickens, Yili Liu, Linda Ng Boyle
312216030		技术选修：服务管理	Technical Elective: Service Management	Service Management and Marketing	9781118921449	John Wiley & Sons, Inc.	Christian Gronroos
312218030		技术选修：多孔固体材料	Technical Elective: Computational Materials Science	Cellular Solids: Structure and Properties	9781139878326	Cambridge University Press	Lorna J. Gibson; Michael F. Ashby
312236030	IE 1051	技术选修：工程产品设计	Tecnical Elective: Engineering Product Design	Engineering Design with SOLIDWORKS 2022	9781630574680	SDC Publications	David Planchard