

Cs 1150 Master Syllabus

"Elite-level athletes take great pride in their fitness and physical strength. You can't help but notice the muscular legs or well-defined arms. However, whether they are known for a powerful golf swing or a hard hockey slap shot, the best athletes all have one thing in common—a strong and well-conditioned core. The world's leading organization in the field of sport conditioning, the National Strength and Conditioning Association (NSCA), brings you the authoritative resource on strengthening the core to maximize sport performance. With contributions by 17 of the top names in sport training, conditioning, and science, *Developing the Core* features over 50 of the most effective exercises, science-based assessment tools, sport-specific programs, and expert advice for developing a personalized core program. Basketball, football, soccer, golf, baseball, tennis—no matter what your sport, *Developing the Core* will place you on the path to success and your strongest midsection ever."--Publisher's website.

A young Jewish rebel is filled with hatred for the Romans and a desire to avenge his parents' deaths until Jesus of Nazareth teaches him love and understanding of others. A Newbery Medal book. Reissue.

In *Gendered Worlds*, the authors use the sociological imagination to explore gender relations throughout the world. They look at how concrete forms of gender, race, class, and sexual inequality operate transnationally; examine the impact of globalization on local and everyday life experiences; and identify how local actors re-imagine social possibilities, resist injustice, and work toward change. Integrating theory with empirical studies that are of particular interest to college students—including research on violence, sports, and sexuality—the authors make gender concepts genuinely interesting and accessible. They also demonstrate how students can think critically about gender, both within and beyond the classroom. Each chapter begins with an opening scenario about an individual experience of gender, and then traces how macro-level factors shape that micro experience. A section entitled "Gender Matters" follows each chapter to summarize the micro-macro connection.

An eye-opening and timely look at how colleges drive the very inequalities they are meant to remedy, complete with a call—and a vision—for change. Colleges fiercely defend America's deeply stratified higher education system, arguing that the most exclusive schools reward the brightest kids who have worked hard to get there. But it doesn't actually work this way. As the recent college-admissions bribery scandal demonstrates, social inequalities and colleges' pursuit of wealth and prestige stack the deck in favor of the children of privilege. For education scholar and critic Anthony P. Carnevale, it's clear that colleges are not the places of aspiration and equal opportunity they claim to be. *The Merit Myth* calls out our elite colleges for what they are: institutions that pay lip service to social mobility and meritocracy, while offering little of either. Through policies that exacerbate inequality, including generously funding so-called merit-based aid for already-wealthy students rather than expanding opportunity for those who need it most, U.S. universities—the presumed pathway to a better financial future—are woefully complicit in reproducing the racial and class privilege across generations that they pretend to abhor. This timely and incisive book argues for unrigging the game by dramatically reducing the weight of the SAT/ACT; measuring colleges by their outcomes, not their inputs; designing affirmative action plans that take into consideration both race and class; and making 14 the new 12—guaranteeing every American a public K–14 education. *The Merit Myth* shows the way for higher education to become the beacon of opportunity it was intended to be.

"What is the meaning of being?" This is the central question of Martin Heidegger's profoundly important work, in which the great philosopher

seeks to explain the basic problems of existence. A central influence on later philosophy, literature, art, and criticism—as well as existentialism and much of postmodern thought—Being and Time forever changed the intellectual map of the modern world. As Richard Rorty wrote in the New York Times Book Review, "You cannot read most of the important thinkers of recent times without taking Heidegger's thought into account." This first paperback edition of John Macquarrie and Edward Robinson's definitive translation also features a new foreword by Heidegger scholar Taylor Carman.

Practical guide that can be used by executives to make well-informed decisions on cybersecurity issues to better protect their business Emphasizes, in a direct and uncomplicated way, how executives can identify, understand, assess, and mitigate risks associated with cybersecurity issues Covers 'What to Do When You Get Hacked?' including Business Continuity and Disaster Recovery planning, Public Relations, Legal and Regulatory issues, and Notifications and Disclosures Provides steps for integrating cybersecurity into Strategy; Policy and Guidelines; Change Management and Personnel Management Identifies cybersecurity best practices that executives can and should use both in the office and at home to protect their vital information

This book provides a comprehensive introduction to hardware security, from specification to implementation. Applications discussed include embedded systems ranging from small RFID tags to satellites orbiting the earth. The authors describe a design and synthesis flow, which will transform a given circuit into a secure design incorporating counter-measures against fault attacks. In order to address the conflict between testability and security, the authors describe innovative design-for-testability (DFT) computer-aided design (CAD) tools that support security challenges, engineered for compliance with existing, commercial tools. Secure protocols are discussed, which protect access to necessary test infrastructures and enable the design of secure access controllers.

College Algebra provides a comprehensive exploration of algebraic principles and meets scope and sequence requirements for a typical introductory algebra course. The modular approach and richness of content ensure that the book meets the needs of a variety of courses. The text and images in this textbook are grayscale.

Featuring exclusive tips and targeted review from USMLE expert Conrad Fischer, MD, Master the Boards USMLE Step 2 CK has the information you need to excel on the exam and match into the residency program you want. Designed to work with Kaplan's Step 2 High Yield course, this edition features exam-style questions and is the highest yield full-color review book for the Clinical Knowledge exam. If it is not likely to appear on the test, it is not in this book. The Best Review New design with hundreds of full-color diagnostic images, algorithms, and tables New biostatistics chapter and expanded disease coverage, with dozens of new topics including Zika and Ebola Logical, step-by-step approach to patient care Disease topics are presented in exam-style format for realistic review: What is the most likely diagnosis? What is the best

initial test? What is the most accurate diagnostic test? What is the treatment? Expert Guidance Avoid surprises on Test Day with exclusive tips and targeted review from USMLE expert Conrad Fischer, MD. Expert test-taking advice, including tips for recognizing incorrect answers and guidance on the order in which steps should be taken. We invented test prep—Kaplan (www.kaptest.com) has been helping students for almost 80 years. Our proven strategies have helped legions of students achieve their dreams.

Through a series of recent breakthroughs, deep learning has boosted the entire field of machine learning. Now, even programmers who know close to nothing about this technology can use simple, efficient tools to implement programs capable of learning from data. This practical book shows you how. By using concrete examples, minimal theory, and two production-ready Python frameworks—scikit-learn and TensorFlow—author Aurlien Gron helps you gain an intuitive understanding of the concepts and tools for building intelligent systems. You'll learn a range of techniques, starting with simple linear regression and progressing to deep neural networks. With exercises in each chapter to help you apply what you've learned, all you need is programming experience to get started. Explore the machine learning landscape, particularly neural nets Use scikit-learn to track an example machine-learning project end-to-end Explore several training models, including support vector machines, decision trees, random forests, and ensemble methods Use the TensorFlow library to build and train neural nets Dive into neural net architectures, including convolutional nets, recurrent nets, and deep reinforcement learning Learn techniques for training and scaling deep neural nets Apply practical code examples without acquiring excessive machine learning theory or algorithm details

This book contains a collection of papers presented at a series of meetings organised by the Wessex Institute of Technology (WIT) dealing with sustainability, the environment and ecological issues. The complexity of the modern world presents new challenges to scientists and engineers that requires finding interdisciplinary solutions. Any problem solving carried out in the isolation of a particular field of expertise may give rise to a series of damaging effects which can create new and unintentional environmental and ecological problems. Specialisation, while required in our culture, needs to be kept under control by the understanding of the whole, which leads to the need of relying on interdisciplinary teams. Nowadays this can be easily achieved thanks to the massive advances in information technology which ensure continuous and immediate contact between all partners. This collaboration needs to be effective and to produce results that will lead to a better world. For this to happen, it is necessary that different groups of scientists and engineers acquire the necessary skills to be able to talk to each other. Furthermore, they need to understand the social and economic aspects of a given problem, in addition to the scientific and engineering issues involved. The Wessex Institute of Technology (WIT) has a long and very successful record in organising interdisciplinary conferences. The papers in this book are a reflection of the proceedings of some of those meetings.

Introduction to Computing Systems: From bits & gates to C & beyond, now in its second edition, is designed to give students a

better understanding of computing early in their college careers in order to give them a stronger foundation for later courses. The book is in two parts: (a) the underlying structure of a computer, and (b) programming in a high level language and programming methodology. To understand the computer, the authors introduce the LC-3 and provide the LC-3 Simulator to give students hands-on access for testing what they learn. To develop their understanding of programming and programming methodology, they use the C programming language. The book takes a "motivated" bottom-up approach, where the students first get exposed to the big picture and then start at the bottom and build their knowledge bottom-up. Within each smaller unit, the same motivated bottom-up approach is followed. Every step of the way, students learn new things, building on what they already know. The authors feel that this approach encourages deeper understanding and downplays the need for memorizing. Students develop a greater breadth of understanding, since they see how the various parts of the computer fit together.

An introduction to the C programming language emphasizing top-down design and principles of structured programming.

Language syntax is covered, together with operators, standard control structures, functions, input/output, arrays, strings, file manipulation, preprocessor, pointers, structures, dynamic variables, and linear linked lists.

Now with SAGE Publishing! Culture Counts is a concise introduction to anthropology that illustrates why culture matters in our understanding of humanity and the world around us. Serena Nanda and Richard L. Warms draw students in with engaging ethnographic stories and a conversational writing style that encourages them to interact cross-culturally, solve problems, and effect positive change. The brief format gives majors and non-majors the essentials they need and frees up the instructor to teach the course the way they want to teach it. The Fifth Edition includes new examples and vignettes that are important to the study of cultural anthropology. Issues of gender, identity, globalization, intersectionality, inequality, and public health have been incorporated throughout the book, as well as a new chapter on race and ethnicity that brings the book in step with recent conversations about power, race, and history. This title is accompanied by a complete teaching and learning package. Contact your SAGE representative to request a demo. Digital Option / Courseware SAGE Vantage is an intuitive digital platform that delivers this text's content and course materials in a learning experience that offers auto-graded assignments and interactive multimedia tools, all carefully designed to ignite student engagement and drive critical thinking. Built with you and your students in mind, it offers simple course set-up and enables students to better prepare for class. Assignable Video with Assessment Assignable video (available with SAGE Vantage) is tied to learning objectives and curated exclusively for this text to bring concepts to life. Watch a sample video now. LMS Cartridge: Import this title's instructor resources into your school's learning management system (LMS) and save time. Don't use an LMS? You can still access all of the same online resources for this title via the password-protected Instructor Resource Site.

A foolproof walkthrough of must-know computer science concepts. A fast guide for those who don't need the academic formality, it goes straight to what differentiates pros from amateurs. First introducing discrete mathematics, then exposing the most common algorithm and data structure design elements, and finally the working principles of computers and programming languages, the

book is indicated to all programmers.

Business and Personal Law: Real-World Connections demonstrates how law, in all of its forms, affects everyone. The program covers contract law, criminal law, tort law, consumer law, employment law, family law, and much more. With Business and Personal Law: Real-World Connections, students will grow in the knowledge of their legal rights and responsibilities. End-of-chapter activities are academically rigorous and reinforce essential concepts. Includes print student edition aligned to the content standards.

For an accessible, comprehensive global survey of the world's major civilizations, Adler and Pouwels's *WORLD CIVILIZATIONS* offers a great balance between detail and brevity. This unique student-oriented text offers 53 short chapters accompanied by strong pedagogy and critical thinking tools, giving instructors the flexibility to assign a wide range of major topics in world history in a variety of different ways, while making learning more manageable for students. The focused treatment of topics throughout history covers every major epoch and follows broad patterns and processes, while illuminating history through specific examples and a particular emphasis on social and cultural topics. Among other updates, the eighth edition includes new content that illustrates how the world has become increasingly interdependent, gives more attention to the non-Western world and its peoples, and provides sharper focus on the importance of women in history. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book provides an introduction to the mathematical and algorithmic foundations of data science, including machine learning, high-dimensional geometry, and analysis of large networks. Topics include the counterintuitive nature of data in high dimensions, important linear algebraic techniques such as singular value decomposition, the theory of random walks and Markov chains, the fundamentals of and important algorithms for machine learning, algorithms and analysis for clustering, probabilistic models for large networks, representation learning including topic modelling and non-negative matrix factorization, wavelets and compressed sensing. Important probabilistic techniques are developed including the law of large numbers, tail inequalities, analysis of random projections, generalization guarantees in machine learning, and moment methods for analysis of phase transitions in large random graphs. Additionally, important structural and complexity measures are discussed such as matrix norms and VC-dimension. This book is suitable for both undergraduate and graduate courses in the design and analysis of algorithms for data.

Issues for 1973- cover the entire IEEE technical literature.

Now the most used textbook for introductory cryptography courses in both mathematics and computer science, the Third Edition builds upon previous editions by offering several new sections, topics, and exercises. The authors present the

core principles of modern cryptography, with emphasis on formal definitions, rigorous proofs of security.

Provides a broad-based, reality-oriented, easy-to-comprehend approach to the topic. Materials are designed to take into account the wide range of backgrounds and knowledge of students. Emphasizes skill in carrying out various algorithms; developing and using mathematical properties, relationships, and proofs; applying mathematics in realistic situations; and representing concepts with graphs or other diagrams. Includes self-test exercises.

This SAE Special Publication ... is a collection of papers from the 'Application of Intelligent Hydraulic Systems' and 'Hydraulic System Analysis and Simulation and Noise Control Technology' sessions of the 2000 SAE International Off-Highway and Powerplant Congress and Exposition.

An audience-centered approach to public speaking Public Speaking: An Audience-Centered Approach brings theory and practice together. Its distinctive and popular approach emphasizes the importance of analyzing and considering the audience at every point in the speech making process. This model of public speaking is the foundation of the text, and it guides students through the step-by-step process of public speaking, focusing their attention on the dynamics of diverse audiences, and narrowing the gap between the classroom and the real world. MyCommunicationLab is an integral part of the Beebe/Beebe program. MyCommunicationLab is an integral part of the Beebe/Beebe program. With extensive opportunities for the application of course content, MyCommunicationLab helps students become better speakers and master key public speaking concepts. Interactive videos provide students with the opportunity to watch and evaluate sample speeches. Online self-assessments and pre- and post-tests help students assess their comfort level with public speaking and their knowledge of the material. MediaShare allows students to post speeches and share them with classmates and instructors. ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. --

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