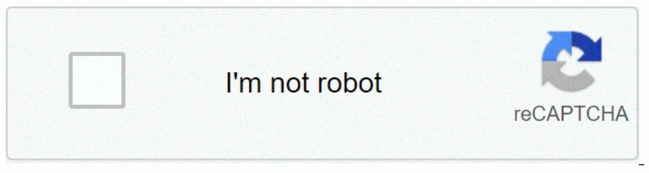

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Ucsd cse 191

Updated 1/2/2020 Units: 1-4 Seminar course on topics of current interest. Students as well as the teacher will actively participate in the launch of the course/class. This course cannot be counted by choice. (1 - 4 units). CSE 191 are not eligible for CSE elective credit unless they are offered as 4 units and accepted for class letters. Approved petition required to use this type of CSE 191 in accordance with the basic requirements of CSE. There is no guarantee that any of these types of petitions will be run. Students are urged to file a petition before completing the course to check whether the course will be read in accordance with basic requirements. Students can only register with CSE 191 up to 3 times or 12 units at most (depending on what comes first). 2020-2021 Winter 2021 CSE 191 A00: Computer Operations and Manufacturing Engineering with Taner Halicioglu must enroll in a course for 1-unit and P/NP. This workshop will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and debugging (black box). It will also cover some best practices when it comes to software development and systems as they relate to reliability, scaling and erasing debugging or troubleshooting. D. Taner (a graduate of UCSD B.S. CSE in 1996) will draw on his experience over the past 18 years, working in operations related to roles. Backgrounds: CSE 30 and some CSE top division experience, even if simultaneously. For enrollment: Send the Authorization Registration System (EASy) request 2019 - 2020 Courses Winter 2020 CSE 191 A00: Computer Operations and Manufacturing Engineering with Taner Halicioglu Sign up for the course for 1-unit and P/NP. This workshop will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and debugging (black box). 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Highly recommended for students intending to compete in ICPC California (SoCal) Regional Competition. The course requires a weekly completion of short sets of problems. Topics include standard library classes and data structure, useful for competition programming tasks, analysis of major complexities, dynamic programming, graphic algorithms, number theory, combinatorics, computational geometry, combinator games, and competitive programming strategy. Students must enroll on 2 units and only for P/NP. Premise: CSE 30 must have programming expertise in THE SS, Java or Python. (CSE 100 highly recommended) For enrollment: Send The Authorization Registration System (EASy) Fall 2019 CSE 191 A00: Computer Operations and Manufacturing Engineering with Taner Halicioglu Sign up for 1-unit and P/NP. This workshop will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and debugging (black box). 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For enrollment: Send The Authorization Registration System (EASy) request 2018-2019 Courses Summer 2019 CSE 191 A00: PPC with Mia Minnes Description: Section limited to CSE specialty internship completion and require CPT CSE 191 B00: PPC with Justin Eldridge Description: Section limited to DSC specialties completing internships and requiring CPR Spring 2019 CSE 191 A00: When is the algorithm is the best possible? with Russell Impagliazzo Description: Until recently, the theory simply categorized the problems into those that are relatively light (e.g. polynomial time solvable) and those that are difficult (e.g. NP-full). A relatively recent approach called fine-grained complexity and algorithm design uses techniques from complexity to quantify the complexity of problems. The goal is to decide whether standard algorithms for problems are the best way to do, or whether there is room for improvement. This project has two sides: the development of new optimal algorithms and the abbreviation, which shows that improved algorithms hardly exist. While this is an ongoing area of research, there are many questions that are available to students. This workshop is designed for students who loved CSE 105 and CSE 101 and want to go further towards understanding current research. Some students may want to do an appropriate research project in Year. Let's start with a survey on fine-grain complexity and algorithms, and then study some of the above documents. We'll meet. week for presentations and discussion Mondays 12:30 p.m. - 1:50 p.m. Participants should make a fair attempt to read the documents, attend each meeting of the group, discuss the documents at the meeting, and sometimes submit (with the number of presentations, equal credits you have registered). Commitment on time: 2 hours a week each week and 5 additional hours per quarter for each loan signed on. Credit: 1-4 P/NP units. Premise: CSE 105 and CSE 101, or Instructor's admission permission: Send the Registration Authorization System (EASy) request to CSE 191 B00: Software development for IoT applications with Ian Lerner Description: Sign up to date for 2-units and P/NP. It is a hands-on design-oriented course covering fundamental technical and entrepreneurial disciplines. Coursework will include design work, system architecture, selection of development tools, testing and product deployment. The project will include real-time data collection from field equipment, data analysis, and user interface strategies. Uses C, JAVA/Python/PHP, S'L, HTML-AJAX, RTOS and Linux. Premise: CSE 100, CSE 110 For enrollment: Send the Registration Authorization System (EASy) request course website: CSE 191 C00: Computer Operations and Manufacturing Engineering with Taner Halicioglu Register in the course for 1-unit and P/NP. 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For enrollment: Send the Registration Authorization System (EASy) request to CSE 191 C00: Projects in cryptography with Professor Bellare: This course provides students with the opportunity to carry out projects and research, both theoretical and applied, in cryptography and security. Students sometimes have their own project ideas, but the instructor offers projects as well. Examples of previous projects include developing an encryption plug-in for Facebook, analysis WhatsApp messenger, automatic replacement cipher breach, image encryption and rapid cryptography implementations. Students can work individually or in size no more than two. There are no lectures. Students/teams meet individually with the teacher once a week. Backgrounds: CSE 107 (A- or better) and instructor's permission. If you have met prereq, please complete the Pre-Auth form course. Autumn 2018 CSE 191 A00: Computer operations and manufacturing engineering with Professor Khalichioglu: Sign up for a course for 1-unit and P/NP. This one-unit workshop (Computer Operations and Manufacturing Design) will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and black box debugging. It will also cover some best practices when it comes to software development and systems as they relate to reliability, scaling and erasing debugging or troubleshooting. D. Taner (a graduate of UCSD B.S. CSE in 1996) will draw on his experience over the past 18 years, working in operations related to roles. Backgrounds: CSE 30 and some CSE top division experience, even if simultaneously. Please submit the Pre-Auth Course form. 2017-2018 Courses Spring 2018 CSE 191 A00: Looking for Optimal Algorithms Prerequisites: CSE 101 AND CSE 105 To sign up: Send a course Pre-Auth Form CSE 191 B00: Computer Operations and Manufacturing Engineering with Professor Haloglu: Sign up for a course for 1-unit and P/NP. This one-unit workshop (Computer Operations and Manufacturing Design) will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and black box debugging. It will also cover some best practices when it comes to software development and systems as they relate to reliability, scaling and erasing debugging or troubleshooting. D. Taner (a graduate of UCSD B.S. CSE in 1996) will draw on his experience over the past 18 years, working in operations related to roles. Backgrounds: CSE 30 and some CSE top division experience, even if simultaneously. Please submit the Pre-Auth Course form. 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Examples of previous projects include developing an encryption plug-in for Facebook, analyzing WhatsApp messenger security, automatically disrupting replacement ciphers, encrypting images, and quickly implementing cryptography. Students can work individually or in a group of no more than two. There are no lectures. Students/teams meet individually with the teacher once a week. Backgrounds: CSE 107 (A- or better) and instructor's permission. If you have met prereq, please complete the Pre-Auth form course. CSE 191 B00: Computer Operations and Manufacturing Engineering with Professor Halicioglu: Sign up for a course for 1-unit and P/NP. This one-unit workshop (Computer Operations and Manufacturing Design) will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and black box debugging. 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CSE in 1996) will draw on his experience over the past 18 years, working in operations related to roles. Backgrounds: CSE 30 and some CSE top division experience, even if simultaneously. Please request a course design using the course design form. The course will be available for registration during the 2nd aisle. Autumn 2016 CSE 191 C00: Industrial internship with Professor Minnes Kemp: Enrolled foreign student with part-time internships. Send the CPR form to Professor Minnesota in the CSE 191 D00 minnes@eng.ucsd.edu: Computer Operations and Manufacturing Engineering with Professor Khaliciolou: Sign up for a course for 1-unit and P/NP. This one-unit workshop (Computer Operations and Manufacturing Design) will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and black box debugging. 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Students can work individually or in a group of no more than two. There are no lectures. Students/teams meet individually with the teacher once a week. Preconditions: CSE 107 (A- or better). Please submit a course request using the course request form. CSE 191 B00: Computer Operations and Manufacturing Engineering with Professor Halicioglu: Sign up for a course for 1-unit and P/NP. This one-unit workshop (Computer Operations and Manufacturing Design) will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and black box debugging. It will also cover some best practices when it comes to software development and how they relate to reliability, scaling, and erasing debugging or troubleshooting. D. Taner (a graduate of UCSD B.S. CSE in 1996) will draw on his experience over the past 18 years, working in Role. Backgrounds: CSE 30 and some CSE top division experience, even if simultaneously. Please submit a course request using the course request form. CSE 191 C00: Issues / Bioinformatics with Professor Gaasterland: Bioinformatics Specialties Only. This course will be held by BILD 94. Sign up for 1-4 units - the number of units will vary depending on the requirements of the course. The Faculty will explain at the first meeting on requirements. Please submit a course request using the course request form. CSE 191 D00: Industrial internship with Professor Minnes Kemp: Enrolled foreign student with training. Send a CPR form to Professor Minnesota at the CSE 191 E00 minnes@eng.ucsd.edu: Automata Practicum with Professor Daniele Miksiancio: To enroll in this course, students must be enrolled in CSE 105. The course should be taken for 1 unit and P/NP. Please submit a course request using the course request form. Course web page: fall 2015 and winter 2016 CSE 191 C00: Computer operations and manufacturing engineering with Professor Halicioglu: Sign up for the course for 1-unit and P/NP. This one-unit workshop (Computer Operations and Manufacturing Design) will

address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and black box debugging. It will also cover some best practices when it comes to software development and systems as they relate to reliability, scaling and erasing debugging or troubleshooting. D. Taner (a graduate of UCSD B.S. CSE in 1996) will draw on his experience over the past 18 years, working in operations related to roles. Backgrounds: CSE 30 and some CSE top division experience, even if simultaneously. Please submit a course request using the course request form. 2014-2015 Spring 2015 CSE 191 A00: Projects in Cryptography with Professor Bellare: This course provides students with the opportunity to pursue projects, both theoretical and applied, in cryptography and security. Usually students come up with ideas for the project. Examples of previous projects include developing an encryption plug-in for Facebook, fast cryptographic hashing on CUDA, and automatic replacement cipher breach. Projects can serve as an initiation into research. Students can work individually or in a group of no more than two. There are no lectures. Students/teams meet individually with the teacher once a week. Backgrounds: CSE 107. Please submit a course request using the course request form. CSE 191 B00: Issues / Bioinformatics with Professor This course will be held by BILD 94. Sign up for 1-4 units - the number of units will vary depending on the requirements of the course. The Faculty will explain at the first meeting on Please submit a course request using the course request form. CSE 191 C00: Computer Operations and Manufacturing Engineering with Professor Khalitieoglu: Sign up for a course for 1-unit and P/NP. This one-unit workshop (Computer Operations and Manufacturing Design) will address topics related to system administration/operations and network design, as well as address aspects of troubleshooting and black box debugging. It will also cover some best practices when it comes to software development and systems as they relate to reliability, scaling and erasing debugging or troubleshooting. D. Taner (a graduate of UCSD B.S. CSE in 1996) will draw on his experience over the past 18 years, working in operations related to roles. Backgrounds: CSE 30 and some CSE top division experience, even if simultaneously. Please submit a course request using the course request form. CSE 191 E00: Automata Practicum with Professor Daniele Micciancio: To enroll in this course, students must be enrolled in CSE 105. The course should be taken for 1 unit and P/NP. Please submit a course request using the course request form. Winter 2015 CSE 191 A00: Computer operations and engineering forwarding with Professor Halicioglu: This workshop (Computer Operations and Manufacturing Engineering) will explore topics related to system administration/operation and network design, as well as focus on the aspects of troubleshooting and (black box) debugging. It will also cover some best practices when it comes to software development and systems as they relate to reliability, scaling and erasing debugging or troubleshooting. Condition: CSE 30 and some experience of the top division CSE, even if at the same time. Other restrictions: Max the number of times, of course, can be taken for a loan is 3. Suggested: Different themes in different circles. Quarter.

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