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**Metropolitan State University of Denver, Department of Mathematical & Computer Sciences**
## CS 3600- Operating system -Spring 2020
### CRN 31442

**Class Hours**: TR  4:00 PM - 5:50 PM, AES-210

**Office Hours**: AES 460 C, **Monday and Wednesday: 10 am to 12 Noon, Tuesday and Thursday-10 AM to 11 AM**, or by email appointment.

**Email:** rranjidh@msudenver.edu,  please make sure to have "CS3600 Spring2020" in the subject line for course-related emails.

**Moodle Link:** https://gouda.msudenver.edu/moodle/   Enrolment Key: **20203600**, All students must enroll in Moodle using the Enrolment Key, all course materials will be posted in Moodle.

**Textbook:** *Operating System Concepts, 10th Edition, by Abraham Silberschatz, Greg Gagne*
**ISBN-13: 978-1119456339**
*Online Materials:* https://www.os-book.com/OS10/

*Other Readings: –*
C program links

https://www.cprogramming.com/tutorial/c-tutorial.html

http://users.cs.cf.ac.uk/Dave.Marshall/C/CE.html

If a traditional textbook is something, you are more likely to work your way through, and these two texts are some of the most popular for mastering the C programming language.

- *The C Programming Language* by Kernighan and Ritchie;
- *C Programming Absolute Beginner's Guide* by Perry and Miller.

**Course Description:** This course introduces modern computer operating systems, their use, design, development, and implementation. Topics covered: operating system modes, structuring methods, process, and thread scheduling and dispatch, concurrency, inter-process communication, memory management, file system organization (in both stand-alone and networked environments), and system security.  Students are required to write programs that implement some operating system functions.
**Prerequisites:** CS 2050, CS 2400, and CS 3250, all with grades of "C" or better

## Grading Policy

|  | A+ | A | A- | B+ | B | B- | C+ | C | C- | D+ | D | D- | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Grade % | =>98 | 92-97 | 90 - 91 | 86 - 89 | 83 - 85 | 80 - 82 | 76 - 79 | 73 - 75 | 70 - 72 | 66 - 69 | 63 - 65 | 60-62 | <=59 |

http://catalog.msudenver.edu/content.php?catoid=32&navoid=2081#PassFail

Class grades will be based on the following:

| Description | % Weight |
|---|---|
| Midterm | 20 % |
| Final | 20 % |
| Quizzes, Class works and HomeWorks | 40 % |
| Projects | 20% |

**Homework/Project Submission:**  Homework is due by midnight on the due date and must be substantially complete and correct, else the work will be returned for further corrections (and will be considered late).The week after the due date there will be a deduction of 25% of points from the maximum points you earn.  Homework or projects received late than one week will receive only a maximum of 50% of total points. Grading will be based on the correctness, completeness, and presentation of the work assigned to each student.

**Quizzes and Classwork:** All quizzes and classwork will be based on material covered in the class. No makeup is available for quizzes and classwork.

**Tests and Final Exam:**  The final examination will take place during the University's scheduled time. The exams will be a closed book. However, students may use a 3"x5" one-sided hand-written notes during the mid-term exam if allowed by the instructor. If an exam consists of programming on a computer, it will be an open book and open notes.

**Make-up Exams:** No student may make up more than one exam. Arrangements for making-up a missed exam should be made before the next class meeting following the exam.  A grade of zero will be given for all other missed exams.

**Withdrawal Dates:**
- 100% refund:     Tue. Jan 28, 2020
- 50% refund:      Thu.  Feb 6, 2020
- *March 21-29  Spring Break (Campus Open, No Classes)*
- Last Day for W ( Withdraw Full-Semester Classes): Fri. April 3, 2020

**Important Dates:**

https://msudenver.edu/events/academic/

*University Policies –* Students are responsible for the full knowledge of the provisions and regulations pertaining to all aspects of their attendance at MSU Denver, and should familiarize themselves with the policies found in the MSU Denver Catalog.    For    more    information    and    recent    updates,    go    to    the    CLAS    website: https://msudenver.edu/las/studentinformation/forms/"