CSCI 7620: Data Science

Instructor: Dr. Gagan Agrawal

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Time and Place of Class Meetings: Monday and Wednesday 2:30 – 3:45 pm in GCC 2301.

Office Hours: Monday 4:00 – 5:00 pm and by appointment.

Description of Course Content: This class introduces the computer science field of data science / data mining at the graduate level. Topics to be covered include classification, clustering, association mining, and anomaly detection.

Prerequisites: Graduate standing in computer science. We will build on undergraduate coursework on programming, probability, data structures, algorithms, and computer systems (understanding memory hierarchy). Students should have sufficient programming maturity to write programs involving multiple hundreds of lines (in a language of their choice).

Grading:

Assignments	: 25%
Exam 1 (around mid-point of semester)	: 30%
Exam 2 (Final Examination)	: 40%
Class Participation	: 5%

Make-Up Exams, and Late Submission: If you miss a deadline or exam due to unavoidable circumstances (e.g., health), you must notify the instructor in writing via email as soon as possible and request a makeup approval. If it is a planned (non-emergency) absence, you must inform the instructor ahead of time, and you may be required to submit documentation to request a makeup approval. The instructor reserves the right to approve makeup assignments, quizzes and exams.

Grade Grievances: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in Student Academic Grievance Policy https://www.augusta.edu/compliance/policyinfo/policy/student-academic-grievance.pdf.

Drop Policy: Students may add or drop courses from their schedule of classes. Students are responsible for formally adding/dropping courses. Students will not be automatically dropped for non-attendance. After the midterm date published in the academic calendar, students may withdraw from courses, but will receive

a WF grade, except in cases of extreme hardship. Add/Drop or Withdraw Policies can be found in https://www.augusta.edu/registrar/adddropwithdraw.php.

Disability Services and Accommodations: Augusta University abides by the Americans with Disabilities Act – Amended (equal and timely access) and Section 504 of the Rehabilitation Act of 1973 (nondiscrimination on the basis of disability). Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by Testing and Disability Services on the first floor of Galloway Hall. Only those students who have officially documented a need for an accommodation will have their requests honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found in https://www.augusta.edu/tds/disabilityservices.php or by calling Testing and Disability Services at (706)737-1469.

Academic Integrity: Augusta University recognizes that academic honesty is essential to its academic function. The Academic Honesty Policy protects the equity and validity of the University's grades and degrees, and help students develop ethical standards and attitudes appropriate to academic and professional life. There is zero tolerance for cheating and academic dishonesty. Violators will be disciplined in accordance with University policy, which may result in failing the assignment, failing the course, and possible further consequences including expulsion from the University. The Academic Honesty Policy can be found in https://www.augusta.edu/gradstudies/students/documents/academic-honesty-policy.pdf.

Emergency Phone Numbers: In case of an on-campus emergency, call the Augusta University Police Department at (706)721-2911 for emergency assistance on campus. You may also dial 911.