**B O W I E S T A T E UN I V E R S I T Y**

*Department of Computer Science*

COSC 891 Special Topics in MSR

**Instructor:** Dr. Frank Xu

**Office:** Computer Science Building #216

**Office Hours:** TTH: 10:00-12:00 am& 1-2pm

**Phone: 2-**3965

**Email:** wxu@bowiestate.edu

**Classroom:** Computer science building # 109

**Class Times:** 7:30-10:00 pm

**CATALOG DESCRIPTION**:

This course provides an introduction to the field of mining software engineering data.

**PREREQUISITES**: Instructor’s approval

**REQUIRED TEXT**:

* Tan Pang-Ning, Vipin Kumar and Michael Steinbach, Introduction to Data Mining (sixth edition), Addison-Wesley
* Jurafsky, D., and Martin, J.H. (2008). Speech and Language Processing (2nd Edition). Upper Saddle River, NJ: Prentice Hall

**Optional text:** Bird, S., Klein, E., Loper, E. (2009). Natural Language Processing with Python. Sebastopol, CA: O'Reilly Media.

**Course Outcomes**

Upon successful completion of this course, students will be able to demonstrate accomplishments of knowledge and comprehension, application and analysis, and synthesis and evaluation.

**Grading Policies**

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| **Item** | **Points** |
| Lab/Projects/homework/Quizzes | 100 |
| Midterm Paper | 100 |
| Final Paper | 200 |
| Total | 400 |

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| --- | --- | --- |
| **Grade** | **Grade Scale** | **Points** |
| A | 90% | 360+ |
| B | 80% | 320+ |
| C | 70% | 280+ |
| F | 59% and below | below 275 |

COURSE OUTLINE

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| **Topic** |
| Introduction to Data Mining |
| Introduction to Mining Software Repository |
| Introduction to Nature Language Processing |
| Introduction to N-grams |
| Topic Presentation |

**Useful Links**

<https://www.youtube.com/watch?v=s3kKlUBa3b0&index=12&list=PL6397E4B26D00A269>

https://sites.google.com/site/asergrp/dmse

**Course Policies:**

**Important Reminders from the Bowie State University Administration**

Students who have a disability and want accommodations should report immediately to **Disability Support Services** (DSS), located in Room 079 in Thurgood Marshall Library or call Dr. Michael S. Hughes, DSS Coordinator, at 301-860-4067.

Please take your **English Proficiency Examination** as early as possible! After completing ENGL 101 and ENGL 102, students must take and successfully pass the Bowie State University English Proficiency Examination. Transfer students who completed their English composition requirements at another university should take the English Proficiency Examination during their first semester of enrollment at the University.

In case of **inclement weather conditions**, call the following number regarding cancellations:

(301) 860-4000 or check online at www.bowiestate.edu.

Students who are not registered for this course will not receive a grade.

**Academic Dishonesty**: Academic dishonesty includes plagiarism, cheating, and other illegal or unethical behaviors in doing the work of the course. Plagiarism is the act of representing another’s ideas, words or information as one’s own. If you receive assistance on an assignment from someone else, you must avoid plagiarism by giving proper credit for this assistance. Include in your assignment a comment naming the person who assisted you and stating what the assistance was. Students who are guilty of academic dishonesty are subject to severe penalties ranging from a reduction in points (and possible failure) for the assignment/project, to failing the course, or in extreme cases, dismissal from the University. Do not copy other student’s projects, codes, and design. A group of students working together on a project must change their forms and codes to differentiate from others.