**AMS Class Recommendations from our OAS eboard**

President: Gloria Bishai
Vice President: Kayla St. Denis

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Faculty Advisor: Prof. Wei Zhu

1. **AMS 311 Probability Theory**

Prerequisites: AMS 301 and 310 and Corequisites: MAT 203 or 205 or AMS 261

AMS 311 covers probability material for Exam P.

1. **AMS 318 Financial Mathematics**

Prerequisite: AMS 310

AMS 318 covers the theory of interest for Exam FM.

1. **AMS 315 Data Analysis**

Prerequisite: AMS 310

This course contains helpful student projects that cover the use of statistical computing packages.

1. **AMS 394 Statistical Laboratory**

Prerequisites: AMS 310 or AMS 315

This course includes the use of statistical packages such as SAS and R.

1. **AMS 380 Data Mining**

Prerequisite: AMS 311

This course teaches you major statistical analysis methods and basic machine learning procedures using R.

1. **AMS 412 Mathematical Statistics**

Prerequisite: AMS 311

This course covers the Mathematical Statistics VEE (Validation by Educational Experience).