Statistics Weekly Newsletter – SPRING 2021
ENROLLMENT

**Please read this email as it contains important information on Spring Enrollment!**

**Please see [https://registrar.wisc.edu/spring-2021-enrollment/](https://registrar.wisc.edu/spring-2021-enrollment/) about enrollment times, course modality, and other general Spring 2021 enrollment questions before speaking with an advisor.

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1. **Important Dates**
   
   Early December – Spring 2021 courses available on Course Search & Enroll
   
   December 21st – First day of Senior enrollment
   
   January 4th – First day of Junior enrollment
   
   January 7th – First day of Sophomore enrollment
   
   January 11th – First day of Freshmen enrollment

2. **Advising**

   Advisors are here to help with Spring Enrollment! Advisors schedules fill up quick so please plan accordingly! To schedule an appointment with an advisor, please use STARFISH. If you are unavailable during your assigned advisor’s availability, please email your advisor.

   Before coming to your appointment, please have reviewed your DARS and the [Office of Registrar FAQ](https://registrar.wisc.edu) to have efficient and effective conversations.

   Please be aware that advisors will have very limited contact and availability during December 24th – January 3rd. Please plan accordingly.

   Advisors will continue to only be available for phone appointments or video appointments via Microsoft Teams. Emails are always welcomed.
3. **Statistics Elective Courses**

Here are the Statistics Elective course offerings for Spring 2021:

- **Stat 351: Introduction to Nonparametric Statistics**
  Distribution free statistical procedures or methods valid under nonrestrictive assumptions: basic tools; counting methods; order statistics, ranks, empirical distribution functions; distribution free tests and associated interval and point estimators; sign test; signed rank tests; rank tests; Mann Whitney Wilcoxon procedures; Kolmogorov Smirnov tests; permutation methods; kernel density estimation; kernel and spline regression estimation; computer techniques and programs; discussion and comparison with parametric methods.
  Requisites: Stat 333 or 340

- **Stat 433: Data Science in R**
  Perform Data Science as an iterative (back and forth) process of four different types of activities (data collection, data wrangling, data analysis, communication). Traverse through the five requisite stances (scientist, coder, mathematician, methodologist, skeptic). Develop and hone a broad set of computational tools in R (but not the broadest) and a broad set of statistical/machine learning tools (but not the broadest). Focus on doing these with agility to make the coding "transparent" and serve the large goals of the project.
  Requisites: (Stat 333 or 340) and (Math 320, 340, 341, or 375)

- **Stat 443: Classification and Regression Trees**
  Applications to business, social science, engineering, biology, medicine, and other fields.
  Requisite: Stat 333 or 340

- **Stat 453: Introduction to Deep Learning and Generative Models**
  Deep learning is a field that specializes in discovering and extracting intricate structures in large, unstructured datasets for parameterizing artificial neural networks with many
layers. Since deep learning has pushed the state-of-the-art in many research and application areas, it's become indispensable for modern technology. Focuses on understanding deep, artificial neural networks by connecting it to related concepts in statistics. Beyond covering deep learning models for predictive modeling, focus on deep generative models. Besides explanations on a mathematical and conceptual level, emphasize the practical aspects of deep learning. Open-source computing provides hands-on experience for implementing deep neural nets, working on supervised learning tasks, and applying generative models for dataset synthesis.

Requisite: Math 320, 321, 340, 341, or 375

**Stat 479: Statistical Data Visualizations**

Techniques for visualization within data science workflows. Topics include data and task abstractions; exploratory data analysis; spatial, tabular, and graph structured data; model visualization and interpretability; interactive manipulation and navigation; visualization of uncertainty; evaluation techniques.

Due to the limited seating in the Statistics Elective courses (Stat 351, Stat 433, Stat 443, Stat 453, Stat 479 – Statistical Data Visualizations), it is expected that students will not enroll in more than two Statistics Elective courses unless approved by a statistics advisor.

4. **Enrollment Holds**

   Please check to see if you have any enrollment holds on your record! Enrollment holds will prevent you from enrolling into courses until the hold is released. To check if you have any holds, visit your Student Center (see [here](https://kb.wisc.edu/helpdesk/page.php?id=4139) for steps). You should check for holds now and periodically between now and your enrollment appointment time.

   For more information on enrollment holds, visit [https://kb.wisc.edu/helpdesk/page.php?id=4139](https://kb.wisc.edu/helpdesk/page.php?id=4139).

5. **Stat 240 & 340**

   **Stat 240: Data Modeling 1** can now fulfill the Introductory Statistics requirement of the major. If you have not completed an introductory statistics course, you could consider enrolling in Stat 240 or enroll in Stat 301, 324, or 371. Stat 302 will not be offered in Spring 2021.

   **Stat 340: Data Modeling 2** can now replace Stat 333: Applied Regression Analysis. If you have taken (or currently taking) Stat 240, you can enroll in Stat 340 in the spring semester to replace Stat 333.

6. **F-1/J-1 Visa Students and Spring 2021 Enrollment**

   Please stay updated on guidance from ISS on Spring 2021 Enrollment at [https://iss.wisc.edu/students/current-students/health/covid-19-updates/](https://iss.wisc.edu/students/current-students/health/covid-19-updates/).

   a. Reduced Course Load Form Information
*If you are a F-1 or J-1 Visa international student and plan to graduate Spring 2021, please read the following important message.

For F-1 or J-1 Visa students, there is an option for you to be enrolled in less than 12 credits in your final semester of study and maintain your visa status. You must complete a Reduced Course Load form in TerraDotta in order to qualify. It is highly recommended you complete this form prior to the last day of fall semester courses, even if you are unsure of how many credits you are going to enroll in. Failure to do so may result in being unable to drop courses before deadlines and not receiving a full refund on courses you drop.

7. **Planning to Graduate in Spring 2021?**

If you are planning to graduate May 2021, it is highly recommended that you apply for graduation after enrolling into your courses. To apply for graduation, follow these steps:

1. Login to My UW-Madison.

2. Open the Student Center app. If the app is not on your homepage, search for "Student Center". You can add the app to your homepage from the search results screen for easier access in the future.

3. Locate the "Academic Records" section on the Student Center.

4. Find and select the Apply for graduation on the left-hand side.

5. Click on the Apply for Graduation link for the Degree in which you are graduating.

6. Select the term in which you expect to receive your degree. Click the Continue button.

7. Select the commencement ceremony in which you plan to attend. Answer the two questions relating to how your name will print in the Commencement Program.

8. Click the Submit Application button. You will be brought to a Confirmation page. You should also receive an email stating you have successfully applied.

9. Verify your Name, Address, Degree and Commencement information.

For additional information, please visit [https://kb.wisc.edu/helpdesk/page.php?id=4128](https://kb.wisc.edu/helpdesk/page.php?id=4128).

***If you should have issues preventing you to enroll into courses at your enrollment time and your situation is unique, please contact your advisor as soon as possible.