

From: ["Dana Maltby" via ds_undergrad](#)
To: dsundergrad@g-groups.wisc.edu
Subject: New DS Major Course! COMP SCI 639 Data Mgmt for Data Science - Fall 2024
Date: Thursday, April 4, 2024 3:36:54 PM

Hello!

We have an exciting update. COMP SCI 639 LEC 001 Data Mgmt for Data Science, taught Fall 2024 by Prof Meena Syamkumar, has been approved to count towards the Advanced Computing elective category! Students who enroll in COMP SCI 639 LEC 001 Data Mgmt for Data Science will not see this course appear on their Data Science major DARS report until after the initial fall course drop deadline.

Course information:

- **Requisites:**
 - COMP SCI 320 or 400
- **Meeting time & location:**
 - MWF 1:20 PM-2:10 PM 5208 Sewell Social Sciences
- **Course description:**
 - This course covers data processing and management tools like relational databases and NoSQL for processing large volumes of data. Data engineering techniques like data lakes and warehouses, ETL vs ELT, data mesh, and data pipelines will be covered. NLP concepts like vector databases and Retrieval-Augmented Generation (RAG) will be covered, along with predictive analysis topics like time series analysis, boosting techniques like XGBoost, LightGBM. Visualization techniques like t-SNE, data storytelling, and sunburst plots will be covered. Majority of the programming will be in Python.

Best,
Dana

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My business hours are M-F 8am-4pm. I do my best to reply to all emails within one business day.