

**College of Engineering and Applied Science
Minutes of CEAS Curriculum Committee Meeting**

Date:	17 Sept 2021
Place:	Virtual – Microsoft Teams
Members Present:	Hamid Seifoddini, Rohit Kate, Priyatha Premnath, Robert Cuzner, Roshan D’Souza, Ben Church (Chair), Todd Johnson (Ex Officio)
Members Absent:	Habib Tabatabai, Ethan Munson (Ex Officio)
Guest:	

The meeting was called to order at 9:01 AM.

Announcements

CEAS Curriculum Committee agendas and minutes are being placed on a website available here:
<https://sites.uwm.edu/ceas-cc/>

Approval of the Agenda

Agenda approved without changes.

Approval of Minutes: Minutes from the May 20, 2021 meeting were approved by automatic consent.

New Business

1. CompSci 557, Introduction to Database Systems (U/G), Prerequisite Change
General database system concepts. Physical data organization. Data models and database systems. Database design theory. Query optimization. Transaction management. Logic and database.
Prerequisites: jr st; CompSci ~~315(215)(P) &~~ 251(P) or equiv.
Note: The prerequisite of COMPSCI 315 (Computer Organization and Assembly Language Programming) is no longer needed based on the current coverage of the course.
Motion to approve (Seifoddini, Kate). Motion approved.
2. Matleng 485, Intro to Computational Materials Modeling and Simulations (U/G), New Course
Description: Intro to basic principles of materials modeling and molecular simulation techniques used to study the properties and behavior of materials at the molecular level. Topics include statistical and molecular mechanics, molecular dynamics, Monte Carlo method, free energy computations, controlling dynamics, and simulation methods in various ensembles (NVE, NVT, NPT, grand canonical). No prior knowledge in modeling and simulation is required. However, basic knowledge of crystal structures, classical mechanics, and materials thermodynamics is assumed.
Prerequisites: jr st, MatlEng 201(P)
Motion to approve (Seifoddini, Kate). Motion approved.

Old Business

None.

Meeting adjourned at 9:19 AM

Submitted by,
Ben Church, 17 Sept 2021