

UNIVERSITY OF MICHIGAN
College of Engineering – LSA
Joint Curriculum Committee
Meeting Tuesday, April 5, 2022

Attending: Maggie Frye, Robert Bordley, Frank Marsik, Nicholas Henriksen, Odest Chadwick Jenkins, Stephanie Chervin, Tim McKay, Tyrone Stewart, Fred Terry, Brian Noble, Amy Gottfried, Lisa Broome, Juhn Young Ahn, Kathleen Wroblewski, Katie Jodl, Alexi Weinberb, John Callewaert, Leena Lalwani, Andrea Chaney, Kelly Maxwell, Barbra Meek, Amir Kamil, Saadet Guralp, Carmela Brown, Lori Gould, Sarah Williams, Cameron Louttit, Robin Fowler, Charles Murphy, Steve Yalisove, Lynn Carpenter, Yavuz Bozer, Sarah Bailey, Isabella Blanton, Won Sik Yang, Radoslaw Michalowski, Apitchaya Pimpawathin, Yulin Pan, Roxanne Pinsky, Gabriel Gregory Emilio Ervin

Support Staff: Betsy Dodge, Matt Faunce

Call to Order: 3:01

Adjourned: 4:04

AGENDA

1. Academic Policy Updates (Tim McKay) - Academic Policy Updates (Tim McKay) - Reviewing new ways to assess UG students (MATH is already doing this). A new Program of Computations that will include introductory courses on computations that lead into degree programs. This is an alternative to Computer Science. Also discussed Anti-Racism goals and LSA's Race & Ethnicity course.
2. Computer Science Enrollment Plan (Brian Noble) – Computer Science unable to meet demand that CS has grown to. CS may need to start rejecting students that want to be CS majors. Enrollment across CoE and LSA CS is unsustainably high. CS may limit number of electives a student can take. We don't want to impose a floor on GPA in order to declare the major, not acceptable alternative. CS is trying to reduce toxic competition. Four pathway model, where we holistically evaluate students (First-year applicants to CoE/LSA with a declared prior interest in CS; Continuing students who discover the discipline at U-M; transfer applicants wishing to study CS from outside UM; Targeted recruitment programs). Fall 2023 would be the start. Not a permanent plan. Fred pointed out it is critical for the Colleges to work together, if CoE puts limits then there will be a lot of CC transfers to LSA. Declared prior interest will be determined with admissions application. Anticipate a target number in each pathway. Have to have a clear communication plan about what it is we are actually doing.
3. Race and Ethnicity Focus in COE Curriculum (John Callewaert) – Starts with background on CoE DEI initiatives. Teaching Equity in Engineering (TEE). Should there be a new course within CoE requirements? Or integrate DEI work into the curriculum? Want to Integrate content on identity and systemic racism in the context of STEM and engineering design into the existing undergraduate curriculum, and develop new learning pathways that will examine societal context and impact. Reviews foundational principles for DEI in CoE. For Students: Introducing foundational concepts and skills; Investigating topics through courses; Implementing learning in capstones and projects. For Instructors: Identify faculty goals; Professional development opportunities; Practice teaching with trained students or peers to name a few. CoE students have given a wide range of feedback regarding this proposal when presented at focus groups. Probably two years away at scale, although we are already doing some things in ENGR 100.
4. Questions and Matters Arising