

M-I-N-U-T-E-S
Curriculum Committee
Tuesday, November 12, 2024, 11:00 AM
<https://csum.zoom.us/j/86046237738>

Present: Ariel Setniker (Chair), Christine Isakson, Amy Parsons, Amy Skoll, Tony Snell, Michael Bielski, Michael Kazek, Amber Janssen, Bets McNie, Steve Browne (Non-voting), Shari Smiljanic-Villa (Non-voting) and Pat Harper (Non-voting)

Absent: Dinesh Pinisetty (Non-voting), Graham Benton (Non-voting) and Alex Parker (Non-voting)

Guests: Wil Tsai, Nipoli Kamdar, Chris Chiego, Taiyo Inoue, Zoë Verlaak, Kevin Mandernack and Cynthia Trevisan

I. Approval of Agenda and Minutes

- * Ariel called for approval of the agenda for Tuesday, November 12, 2024. Mike K. motioned for approval; Amy P. seconded the motion. The agenda was approved.
- * Ariel called for approval of the minutes for Tuesday, October 8, 2024. Amber motioned for approval; Mike K. seconded the motion. The minutes were approved.

II. Old Business

- * **CCR 10/24-02 ME Curriculum Revision** – Wil Tsai
Mike K. motioned for approval; Amy P. seconded the motion. The unanimous vote was 8-Yes, 0-No, 0-Abstentions.
- * **CCR 10/24-03 ENG 112 Intro to Technical Communication** – Add 1 Unit – Wil Tsai
A memo from the GE Committee has been provided that supports changing ENG 112 from 1 to 2 units. Amber motioned for approval; Mike K. seconded the motion. The vote was 8-Yes, 0-No, 0-Abstentions.
- * **CCR 10/24-04 ME 462 Experimental Methods in Mechanical Engineering** – Add 1 Unit and Remove Area A1 Designation – Wil Tsai
A memo from the GE Committee has been provided that supports the removal of the Area A1 designation. Christine motioned for approval; Amy S. seconded the motion. The vote was 8-Yes, 0-No, 0-Abstention.
- * **CCR 10/24-05 BA-IBL Curriculum Revision** – Christine Isakson
Amy S. motioned for approval; Tony seconded the motion. The vote was 8-Yes, 0-No, 1-Abstention.
- * **CCR 10/24-06 ISS Curriculum Roadmap Revision** – Amy Skoll
Mike K. motioned for approval; Christine seconded the motion. The unanimous vote was 9-Yes, 0-No, 0-Abstentions.

- * **CCR 10/24-07 GMA 255 Strategic Policy Leadership** – New Course - Amy Skoll
EGL 100 English Composition and EGL 220 Critical Thinking were added as prerequisites to this course. Students shouldn't take this course in their freshman year. Mike K. motioned for approval; Amy P. seconded the motion. The unanimous vote was 9-Yes, 0-No, 0-Abstentions.
- * **CCR 10/24-08 GMA 375 Research Methods** – New Course - Chris Chiego
A prerequisite, EGL 220 Critical Thinking, has been added to this course. Chris also added a number of enhanced course goals that add a bit more higher-level thinking and verbiage reflecting that. It's a junior course but Chris wanted to make sure that ambitious sophomores could take this course early if they want to get involved with undergraduate research. It's not a GE course right now but it would be a useful course for students from other majors. Amy P. motioned for approval; Bets seconded the motion. The unanimous vote was 9-Yes, 0-No, 0-Abstentions.
- * **CCR 03/24-11 Data Science Minor** – New Minor - Taiyo Inoue
Tony motioned for approval; Christine seconded the motion. The vote was 8-Yes, 0-No, 1-Abstention.

III. New Business

- * **CCR 11/24-04 DAT 308 Principles and Techniques of Data Science** – New Course - Taiyo Inoue
This will be an upper division course and is part of the Data Science minor. DAT 108 Foundations of Data Science, MTH 250 Linear Algebra and MTH 320 Probability and Statistics are the prerequisites for this capstone course in data science. This course will go even more in depth than DAT 108 on the business of data science. It will include a lot of different statistical methods, such as linear regression, logistic regression, multiple-linear regression and clustering. All of this statistical learning can be characterized as machine learning. There may be an opportunity to talk about deep learning, which is driving a lot of the AI stuff that is happening right now. Mike suggested that SLO 2. about Python libraries be changed from “including pandas, numpy and sklearn” to “such as pandas, numpy and sklearn.” because who knows what is going to happen and how they will change in the future.
- * **CCR 11/24-01 OCN 360 Marine Geology** – New Course – Zoë Verlaak
We have upper division courses with a focus on biology, physics and chemistry but we do not have any geology-focused courses. This course fills a gap in the OCN curriculum. The focus will be on the processes that are involved in forming ocean basins, the processes of sedimentation - the distribution of sediments, sea-level changes focusing on the shelf environments, biological proxies to help us understand past environmental and climatic changes but also make it possible to make predications in the future. Ariel suggested that the course goals should be beefed up to make them more upper-level or map them to the course competencies that are currently listed. Ariel would also like to see a course syllabus. Amy P. suggested that a little more detail should be added to the assessment section.

- * **CCR 11/24-02 OCN 470 Biogeochemistry** – New Course – Kevin Mandernack
This course will probably be 2/3 geochem and earth sciences and 1/3 biological influences on those processes. It will be more project-based and interactive with written and oral presentations. Because there are many projects and presentations, Kevin doesn't give a final exam but he has left it open so other instructors teaching the course could have one. Ariel commented that in the course goals, the word "deeper" is challenging to assess so she encouraged Kevin to use the word "advanced" or something like that. She suggested that the learning objectives on the CCR should replace the ones on the syllabus. She also offered to help with beefing up the assessment plan description.

- * **CCR 11/24-03 OCN Curriculum Revision** – Cynthia Trevisan
Cynthia presented the changes to the Incoming 2025 Oceanography roadmap due to the new Cal-GETC requirements. Amy S. questioned why a free elective was scheduled for the fall of the freshman semester since that semester is block-enrolled by the Registrar. Students probably won't notice it and will have to take it during a different semester. Cynthia will bring that up with Alex and will suggest that it be moved to a different semester.

New Policy

- * **Discussion of the New Policy**
A majority of the CC members haven't read the latest version of the new policy. Ariel will call a meeting with the subcommittee, Amy P., Mike K, Christine and herself, before the next CC meeting in December. At the December meeting they will give a mini presentation and will go into more depth as a group. The plan is for the new policy to go into effect in the spring.

The meeting was adjourned at 12:00 PM.

Respectfully submitted,

