

ABET Review: SCR Spring 2024

Course Offerings & Enrollments

		Aut22	Win23	Spr23	Sum23	Aut23	Win24	Spr24
399	Introduction to Robotics and Control Systems					28		
445	Fundamentals of Optimization and Machine Learning	To be presented by Maryam under the Data Science group						
447	Control System Analysis I	43		35		43		34

ABET Missing End of Course Reports

Missing Quarter	Course
Aut 2023 (Burden) received today	447

End of Course Reports – issues found

399 – Aut23: First time offering, went well. Need for a better lab space. We should buy more lab equipment to increase the enrolment cap from 30 to 45.

447 – Aut22, Spr23, Aut23: No issues.

445 – To be presented by Maryam under the Data Science group

Only a few options for our students. The SCR group is working on reintroducing EE 448 (and maybe EE 449) in the 2025-2026 academic year.

ABET outcomes

Novice/Developing/Competent/Exemplary

		ABET Outcome (Nov./Devel./Comp./Exemp.)							
Course	Quarter	1	2	3	4	5	6	7	Notes
399	Aut'23								No ABET assigned
447	Aut'23	EE 0/1/1/1 ECE 0/1/0/2	EE 1/1/1/0 ECE 1/0/2/0						EOC Missing
447	Spr'23	0/1/2/3	0/0/3/3						
445	To be presented by Maryam under the Data Science group								

ABET outcomes notes

- In the event of an ABET student outcome showing unsatisfactory $(N+D)/(N+D+C+E) < 75\%$, what actions and improvements are suggested?
 - There is not enough data, but it seems ok overall.

Course Evals

Course	Qtr.	Instructor	Particiapted	Adj. Combined	CEI	Hours/Cr	NOTES
447	Aut22	Makhsous	37/43	4.5	4.9	2.4	
447	Spr23	Makhsous	31/34	4.0	4.7	2.7	
447	Aut23	Burden	8/43	4.1	5.1	2.4	
399	Aut23	Makhsous	26/28	3.8	5.1	2.7	

Final Notes

- How is enrollment for the courses incentivized, if at all?
 - Enrollment incentives are mostly driven by limited options and high demand. The introduction of new courses, like 445, naturally attracts students. Additionally, enrollment in 447 is consistently higher in the fall quarter, though the reasons for this are unclear.
- Are the course loads consistent with the number of credit hours offered for the courses? If so, which courses, and are there any plans to address the discrepancy?
 - Seems to be consistent.
- Which courses are “lab heavy” and which are not?
 - Other than 399, none of the other courses have any labs.
 - 448 and 449 will be lab heavy once they have been reintroduced
- For courses with labs, what types of labs are used?
 - ECEB-053: 399: Elephant Robotic, Robotic Arm.
- For courses with labs, do TAs provide much assistance to the students? Do they stand back and let students work on their own?
 - Limited data to answer this questions

*** End of Talk Marker ***

Process

- End of Course reports can be found at the following link:
 - https://vannevar.ece.uw.edu/cgi-bin/operations/advising/course_db/eoq_main.pl
- You can see which End of Course reports are missing at the following link:
 - https://vannevar.ece.uw.edu/cgi-bin/operations/advising/course_db/eoq_reports_open.pl?