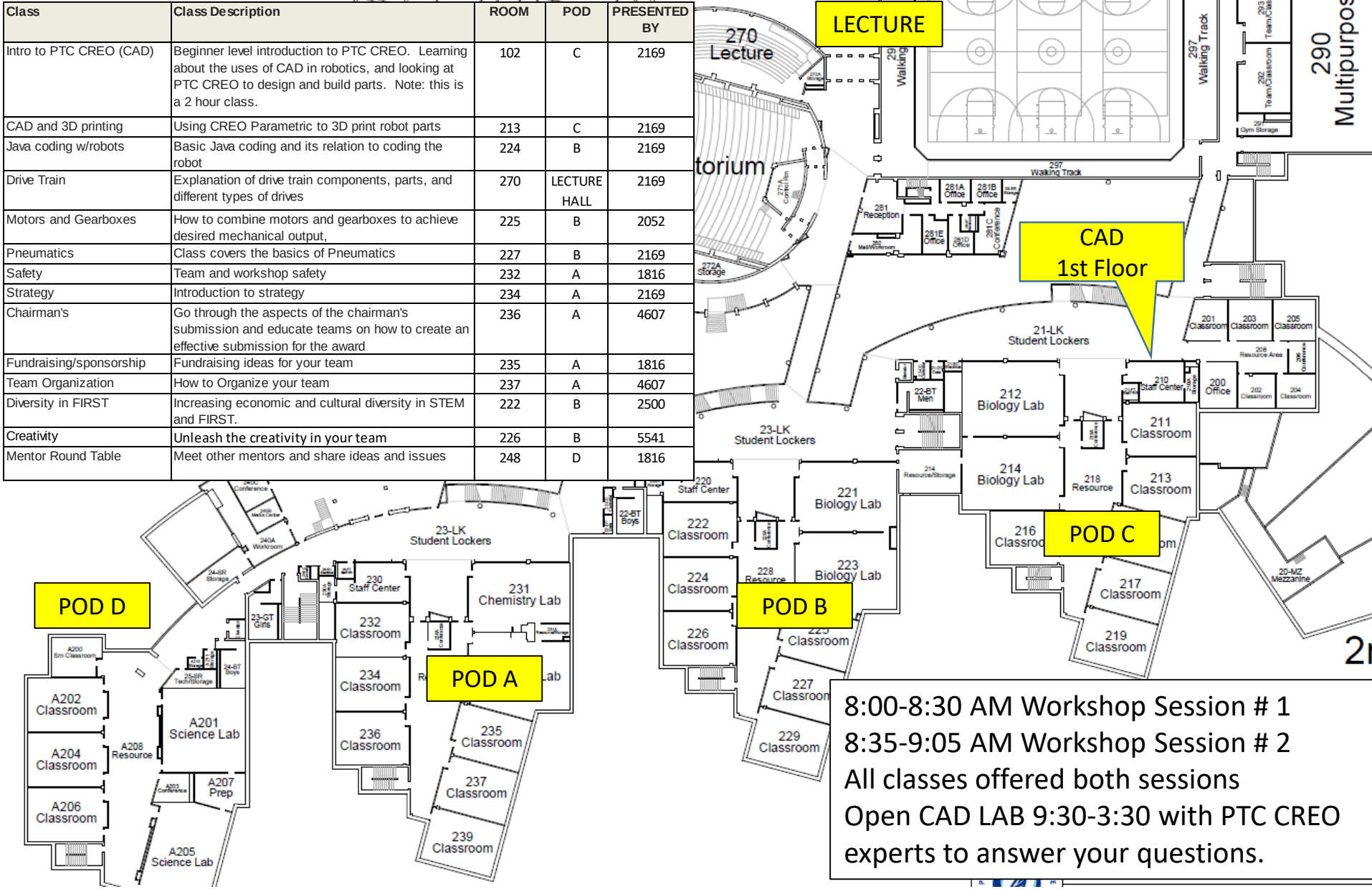
Class	Class Description	ROOM	POD	PRESENTED BY
Intro to PTC CREO (CAD)	Beginner level introduction to PTC CREO. Learning about the uses of CAD in robotics, and looking at PTC CREO to design and build parts. Note: this is a 2 hour class.	102	C	2169
CAD and 3D printing	Using CREO Parametric to 3D print robot parts	213	C	2169
Java coding w/robots	Basic Java coding and its relation to coding the robot	224	B	2169
Drive Train	Explanation of drive train components, parts, and different types of drives	270	LECTURE HALL	2169
Motors and Gearboxes	How to combine motors and gearboxes to achieve desired mechanical output,	225	B	2052
Pneumatics	Class covers the basics of Pneumatics	227	B	2169
Safety	Team and workshop safety	232	A	1816
Strategy	Introduction to strategy	234	A	2169
Chairman's	Go through the aspects of the chairman's submission and educate teams on how to create an effective submission for the award	236	A	4607
Fundraising/sponsorship	Fundraising ideas for your team	235	A	1816
Team Organization	How to Organize your team	237	A	4607
Diversity in FIRST	Increasing economic and cultural diversity in STEM and FIRST.	222	B	2500
Creativity	Unleash the creativity in your team	226	B	5541
Mentor Round Table	Meet other mentors and share ideas and issues	248	D	1816



8:00-8:30 AM Workshop Session # 1
8:35-9:05 AM Workshop Session # 2
All classes offered both sessions
Open CAD LAB 9:30-3:30 with PTC CREO experts to answer your questions.