Welcome to Mobile Robots AUTO4508 2026

Associate Lecturer Kieran Quirke-Brown, office EE3.13
Consultation time: organise via email

Unit web site:

http://roblab.org/courses/mobrob/

Lab & Project Contacts:

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Assessment:

- Midterm 30%
- Labs 30% individual
- Project 40% groups of 4 (feedback fruits for marks)

Total 100%

Semester Dates:

MOBILE ROBOTS **2026**

week	cal-wk	week start	lectures A Wed. (2h)	reading	lectures B Fri. (2h)	reading	project	lab prep.	lab	lab contents	
1	9	23-Feb	Org., 1.a Introduction 1.b Technology	RA 1+2	1.c Embedded Basics 3a. RoBIOS	RA 3+4				RA 5+6 (ER 10)	
2	10	2-Mar	Public Holiday	ROS	3. ROS	ROS	Pioneer	ROS			Docker + Github
3	11	9-Mar	2.Driving Robots 4. Kinematics	RA 7	5. Walk	RA 9 (ER 14)	Pioneer	EyeSim			
4	12	16-Mar	AUV/UAV	RA 9 (ER 14)	7. Navigation	RA 9 (ER 14)	Pioneer	Splines	1	Lawn mower	
5	13	23-Mar	8. Localisation	RA 10	9. Maps	RA 9 (ER 15)	Pioneer	Distbug	2	Spline driving	
6	15	30-Mar	10. Vision	RA 12 (ER 18–21)	Public Holiday		Pioneer	A*	3	Distbug	Project presentation part 1
break	16	6-Apr					EASTER				
7	17	13-Apr	11. Automotive	RA 12 (ER 18–21)	12. AI-NN, 13. GA	RA 13+14 (ER 17)	Pioneer	Quadtree	4	A*	
8	14	20-Apr					Pioneer				Project presentation part 2
9	18	27-Apr					Pioneer	Brushfire	5	Quadtree	
10	19	4-May	Exam prep		**MidTerm**		Pioneer				
11	20	11-May					Pioneer		6	Brushfire	
12	21	18-May	**Project presentation**		**Project presentation**		Pioneer				Project presentation final