

Harper Adams University Summer School July 21 - August 3, 2019

Dates	Activity and timings			
21/7/19	<p style="text-align: center;">Arrive Birmingham Airport 12.20pm - Transfer by coach to Harper Adams University 3pm Welcome Meeting & administration with English team 4pm tour of campus 6pm dinner in Queen Mother Hall refectory</p>			
22/7/19	9.30-12.30 PC003 (unless stated) English classes: Introductions/language for robotics (Refreshments 11.15 PC Common Room)	12.30-1.30 lunch in QMH	2-3.45: Engineering classes: AEIC Building Room EG4 Introduction to robots: A talk covering robotics projects at Harper Adams, the technology, and a tour of the facilities with Sam Wane 3.45-4pm (daily) refreshments 4pm - Health & Safety for Engineering: Engineering building AEIC Building Room EG1	5pm: Trip to Newport – minibus meet outside B Block Return for dinner at 6.30pm.
23/7/19	9.30-11.15: Group activity (+ Course Assistants) 11.30 -12.20: continued	12.30-1.30 lunch in QMH	Trip to Shrewsbury - Coach leaves at 1.30pm from outside QMH - returns to HAU 6pm	
24/7/19	9.30-12.30: Vocab & describing processes - Discussion – engineering problems	12.30-1.30 lunch in QMH	A practical introduction to the Arduino controller, how to program it and make lights, LCD, motors, switches work, and how to read the sensors (IMU, ultrasonic, compass) A lecture on the various components and interfaces with Sam Wane AEIC Building Room EG4	Evening: Barbeque meet 6.30pm outside Main Building

25/7/19	9.30-12.30: Language for presentations. Presentations of solutions to engineering problems (from Weds).	12.30-1.30 lunch in QMH	2-5: GPS technology - a demonstration of RTK GPS. How to read GPS in the robot, convert to UTM, and calculate distance & bearing. (Sam Wane AEIC Building Room EG4)	Evening: Guided social activity - Movie night venue TBC at 7.30pm
26/7/19	9.30-12.30: Functional language and Pronunciation. Speaking skills (+ Course Assistant)	12.30-1.30 lunch in QMH	2-5: Behaviours and states in robots Using the ultrasonic sensor to avoid objects. Using the IMU for feedback (Sam Wane AEIC Building Room EG4)	
27/7/19	Visit to Cheshire Oaks Outlet Shopping Village near Chester. Meet outside QMH at 9am. Return to HAU at 7pm Bring money for lunch and evening meal.			
28/7/19	Visit to Attingham Park historic house and parkland – Meet outside QMH at 10am. Return to HAU at 5pm Bring money for lunch. Evening meal at 6pm.			
29/7/19	9.30-12.30: Debate and discussion activity	12.30-1.30 lunch in QMH	2-5: Putting it together Students test their robots with sensors and assess how they can use incorporated behaviours. (Sam Wane AEIC Building Room EG4)	Evening: Guided social activity Bingo night PC003 meet at 7.30pm
30/7/19	9.30-12.30: 24 hours in London presentation preparation (Weston Computer Room 1) and practice in PC003 (+ Course Assistant)	12.30-1.30 lunch in QMH	2-5: Driving Experience with Tim Dicker Facility: AEIC Building, Lecture Theatre	
31/7/19	9.30-12.30: Students prepare for final presentations	12.30-1.30 lunch in QMH	2-5: Off road vehicle traction with Simon Cooper Facility: AEIC Building, Lecture Theatre	Evening: Guided social activity Scavenger hunt meet QMH at 7.30pm
1/8/19	9.30-12.30: A fun competition for the students to show what they can do. Sam Wane AEIC Building: Room EG4	12.30-1.30 lunch in QMH	2-4: Student presentations 4.15-5: An introduction to HAU MSc programmes	Evening: Course dinner (meet in QMH at 6.15 - dress smart casual).
2/8/19	9.30-12.30: English review and future study	12.30-1.30 lunch	2-5: Engineering session TBC	Evening: Guided social

		in QMH		activity: SG and CAs?
3/8/19	Coach to Birmingham Airport leaves campus at 05.10 - packed breakfasts to collect previous night			
4/8/19	Return to China			