

ACM 40890 Group Projects

Guidelines:

- 10 students registered for the module for credit
- Students divided into three groups (4, 3, 3).
- All groups work on the same three assignments:
 - Droplet Impact
 - Wave Tank
 - LES
- Assignments are described in the project handbook on the [module webpage](#), this is to be the main resource for students as they complete the assignments.
- Each group may work as a unit to perform the experiments and the numerical simulations. Data may be shared between group members.
- However, individual reports will be submitted at the end of the module; each student to complete an individual report on each of the assignments, hence three individual reports per student.
- Each group must as a unit produce a five-minute video report on their preferred one of the three assignments.

Marking Scheme:

The projects count for 50% of the grade in the module. This will be made up of:

- 40% individual projects (individual grades)
- 10% video report (all individuals in the group get the same grade)

Letter grades to be awarded as per the [UCD Module Grade Descriptors](#).

Due Dates:

All assignments due back on Friday 28th April. Hardcopy submission of written assignments, video – or link to video – submitted by email

Groups:

Stokes ¹	Orr ²	Reynolds ³

Access to equipment and module timetable:

	Stokes	Orr	Reynolds	All Groups
Midterm 1	Demo Wed 12/03 12pm	Demo Wed 12/03 1pm	Demo Wed 12/03 1pm	
Midterm 2	WT Mon / Tues	X	WT Thurs / Fri	
Week 8	WT Mon / Tues	High-Speed Camera	WT Thurs / Fri	1-hour lecture (Wed 26/03)
Week 9	High-Speed Camera	WT	X	Midterm Sitting 1 (Wed 02/04, 1pm)
Week 10			High-Speed Camera	Midterm Sitting 2 (Wed 09/04, 1pm)
Week 11				Drop-in Session 2pm-3pm (Wed 16/04)
Week 12				Drop-in Session 2pm-3pm (Wed 23/04)

High-Speed camera can be checked out from the School Office (check School Office hours in advance).

Demonstrations:

- Wednesday Midterm 1 12pm: Stokes
- Wednesday Midterm 1pm: Orr and Reynolds

¹ George Gabriel Stokes, 13 August 1819 – 1 February 1903, born Skreen, Co. Sligo

² William McFadden Orr, 2 May 1866 – 14 August 1934, born Comber, Co. Down

³ Osborne Reynolds, 23 August 1842 – 21 February 1912, born Belfast