Graduate Modelling Camp Programme

Wednesday 7 January to Saturday 10 January 2026

Wednesday 7 January 2026	
8:00 – 9:00	**Registration** Venue: New Commerce Building, West Campus Loading presentations in New Commerce Building. Room 3
9:00 – 9:30	**Opening and Welcome** **Venue:** New Commerce Building, Room 3 **Chair:** Erick Mubai Welcome Organisation of the Modelling Camp • Kendall Born Effective Presentations
9:30 – 11:00	**Chair:** Eric Mubai Problem Presentations Up to 20 minutes each presentation including questions • Multiscale modelling of mucociliary clearance using thin fluid film theory • Combatting alien plants in Injaka Dam • Catching the wind • Modelling slurry flows in miming • Axisymmetric thermal plumes • Inventory optimization problem
11:00 – 11:30	**Morning tea** **Venue:** Common Room, Upper Ground (UG) Floor, Mathematical Sciences Building
11:30 – 13:00	Formation of Study Groups and room allocation Study Group meetings Students work under supervision
13:00 – 14:00	**Lunch** **Venue:** Common Room, UG Floor, Mathematical Science Building
14:00 – 15:30	Study Group meetings

	Students work under supervision
15:30 – 16:00	**Afternoon tea** **Venue:** Mathematical Sciences Common Room
16:00 – 17:00	Study Group meetings
17:00 – 18:00	**Dinner** **Venue:** Jubilee Hall Dining Room, East Campus
18:30 – 21:00	Evening Session Study Group meetings
Thursday 8 January 2026	
8:30 – 9:30	Progress Reports (10 minutes each) **Venue:** New Commerce Building, Room 3 **Chair:** Graeme Hocking • Multiscale modelling • Alien plants in Injaka Dam • Catching the wind • Modelling slurry flows in mining • Thermal plumes • Inventory optimization problem
9:30 – 11:00	Study Group meetings Planning the work for the day
11:00 – 11:30	**Morning tea** **Venue:** Mathematical Sciences Common Room
11:30 – 13:00	Study Group meetings
13:00 – 14:00	**Lunch** **Venue:** Mathematical Sciences Common Room
14:00 – 15:30	Study Group meetings
15:30 – 16:00	**Afternoon tea** **Venue:** Mathematical Sciences Common Room
16:00 – 17:00	Study Group meetings
17:00 – 18:00	**Dinner** **Venue:** Jubilee Hall Dining Room, East Campus
18:30 – 21:00	Evening Session Study Group meetings

Friday 9 January 2026	
8:30 – 9:30	Progress Reports (10 minutes each) **Venue:** New Commerce Building Room 3 **Chair:** Matthews Sejeso • Multiscale modelling • Alien plants in Injaka Dam • Catching the wind • Modelling slurry flows in mining • Thermal plumes • Inventory optimization problem
9:30 – 11:00	Study Group meetings Planning the work of the day
11:00 – 11:30	**Morning tea** **Venue:** Mathematical Sciences Common Room
11:30 – 13:00	Study Group meetings
13:00 –14:00	**Lunch** **Venue:** Mathematical Sciences Common Room
14:00 – 15:30	Study Group meetings
15:30 – 16:00	**Afternoon tea** **Venue:** Mathematical Sciences Common Room
16:00 – 17:00	Study Group meetings
17:00 – 18:00	**Dinner** **Venue:** Jubilee Hall Dining Room, East Campus
18:30 – 21:00	Evening Session Study Group meetings
Saturday 10 January 2026	
8:30 – 9:00	Study Group meetings Planning the work of the day
9:00 – 11:00	Study Group meetings
11:00 – 11:30	**Morning tea** **Venue:** Mathematical Sciences Common Room
11:30 – 13:00	Study Group meetings Preparation of presentations

13:00 – 14:00	**Lunch** **Venue:** Mathematical Sciences Common Room
14:00 – 17:00	Formal presentation of results (30 minutes each) **Venue:** New Commerce Building, Room 3 **Chair:** Erick Mubai • Multiscale modelling • Alien plants in Injaka Dam • Catching the wind • Modelling slurry flows in mining • Thermal plumes • Inventory optimization problem
17:00	**Closing:** David Mason
17:00 – 18:00	**Dinner** **Venue:** Jubilee Hall Dining Room, East Campus
18:00	Free evening
Sunday 11 January 2026	
Free day	Arrival of MISG participants