

Dr Gerard Gorman BSc MSc PhD DIC
Earth Science and Engineering
Imperial College London
London, SW7 2AZ, UK

g.gorman@imperial.ac.uk
<https://www.imperial.ac.uk/people/g.gorman>

May 13, 2022

To Whom It May Concern:

Miss Zonghui Liu is enrolled on our MSc in Applied Computational Science and Engineering at Imperial College London from October 2021 to September 2022: Website: <https://www.imperial.ac.uk/study/pg/earth-science/computational-science/>

The MSc in Applied Computational Science and Engineering educates domain-specialists in computational science. The course covers numerical methods, computational science, and how to solve large-scale problems by applying novel science and engineering approaches. It is designed for graduates of disciplines including maths, physical sciences, engineering, and computer science.

This hands-on MSc course enables students to develop their skills and techniques for a range of science and engineering applications utilising desktops, Cloud and High-Performance Computing resources. Students learn alongside world-class multi-disciplinary researchers at Imperial College London. Throughout all modules, there is a strong emphasis on best practise and high-productivity techniques for problem-solving using modern computational methods and technologies, including software development and parallel algorithms. Students develop transferable digital, analytical, and software development skills for careers in industries across science and engineering. This MSc also prepares students who wish to continue onto a PhD in computational science and engineering, data science, numerical analysis, simulation, optimisation and inversion, fluid mechanics, heat transfer, and machine learning applications.

Students are encouraged to develop their collaborative and communication skills throughout the course. Group projects are run throughout the year to develop these skills, while the independent research project supports the student grow as an independent researcher. Additionally, students take non-curriculum workshops ranging from academic and technical writing skills to equality and diversity.

Perhaps most importantly, students are trained to take ownership of their learning within a rapidly evolving technology landscape.

Below you will find the provisional grades for Miss Zonghui Liu. Note that all grades are provisional until approved by the Academic Registry following the November exam board meeting.

The grades are defined as:

A*	80-100%
A	70-79%
B	60-69%
C	50-59%
D	40-49%
E	30-39%
F	less than 30%

The number of ECTS's per module, and total accumulated to date, is given below. There are a total of 90 ECTS (European Credit Transfer and Accumulation System) in this MSc.

Modern Programming Methods

Grade: A
ECTS: 7.5

Computational Mathematics

Grade: A
ECTS: 5.0

Modelling and Numerical Methods

Grade: B
ECTS: 10.0

Advanced Programming

Grade: A*
ECTS: 7.5

Inversion and optimisation

Grade: A
ECTS: 7.5

Provisional overall classification for course: pending

ECTS completed: 37.5/90

Yours sincerely,



Dr Gerard Gorman BSc MSc PhD DIC

Reader, Computational Science and Engineering

Director of MSc in Applied Computational Science and Engineering