

Memorial University of Newfoundland

Jinghua Nie
Manager, International Programs

Faculty of Engineering and Applied Science



About Memorial







St. John's campus

St. John's, NL

Grenfell Campus

Corner Brook, NL



Marine Institute

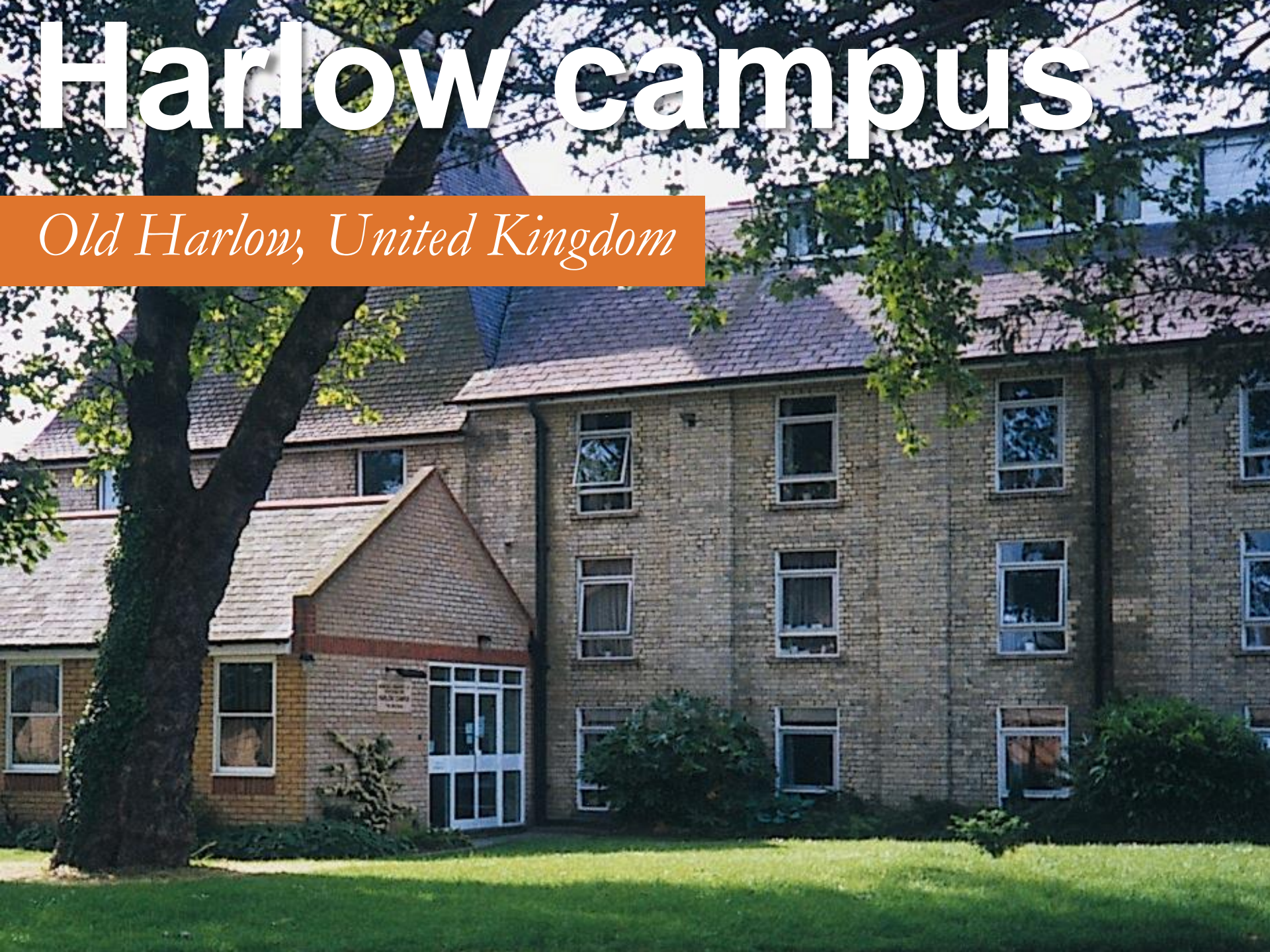
St. John's, NL

FISHERIES AND MARINE INSTITUTE
MEMORIAL UNIVERSITY
OF
NEWFOUNDLAND

MEMORIAL

UNIVERSITY





Harlow campus

Old Harlow, United Kingdom

Our reputation



2016 Maclean's University Rankings

Memorial University ranked **#7** among all comprehensive universities in Canada



Award winning researchers and faculty

- **9** faculty recipients of the 3M Teaching Award
- **15** Canada Research Chairs
- **23** Fellows of the Royal Society of Canada
- **6** Fellows of the Canadian Academy of Engineering



Population

- Over **19,000** students
- Over **3,000** international students
- Over **1,000** faculty members
- Over **100** countries represented

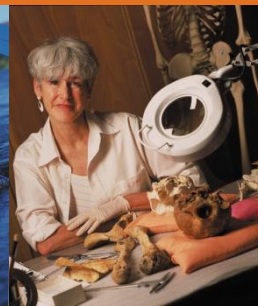


programs



Programs (院系设置)

- Arts (文学)
- Business (工商)
- Education (教育)
- **Engineering** (工程)
- Fine Arts (艺术)
- Human Kinetics
(人体运动与健康)
- Maritime Studies (海事研究)
- Medicine (医学)
- Music (音乐)
- Nursing (护理)
- Pharmacy (药学)
- Science (理学)
- Social Work (社会)
- Technology (技术)



3+1+1 Undergraduate Course Offering List

(1st year of 3+1+1 program)

Fall Semester (September to December)

ENGI6322 Thermal Science

ENGI6602 Offshore Petroleum Geology and Technology

ENGI6621 Process Modelling and Analysis

ENGI6631 Chemical Reaction Engineering

ENGI6651 Sustainable Engineering in Processing Industries

ENGI6671 Process Equipment Design II

ENGI6961 Fluid Mechanics II

Winter Semester (January to April)

ENGI8670 Reliability Engineering

ENGI8671 Safety and Risk Engineering

ENGI8676 Design of Natural Gas Handling Equipment

ENGI8690 Reservoir Engineering

ENGI8691 Petroleum Production Engineering

ENGI8692 Drilling Engineering for Petroleum Exploration & Production

ENGI8694 Downstream Processing

ENGI8696 Petroleum Refining Engineering



MASc in Oil and Gas Engineering

(2nd year of 3+1+1 program)

- Oil and Gas Engineering Project (six credit hours)
 - ENGI 910A Oil and Gas Engineering Project Course (zero credit hour)
 - ENGI 910B Oil and Gas Engineering Project Course (six credit hours)
- Five core courses (three credit hours each)
 - ENGI 9110 Advanced Petroleum Production Engineering
 - ENGI 9113 Phase Behaviour of Petroleum Reservoir Fluids
 - ENGI 9114 Advanced Reservoir Engineering
 - ENGI 9118 Advanced Drilling Engineering
 - ENGI 9121 Advanced Safety, Risk and Reliability Modeling
- Three elective courses from the following list (three credit hours each)
 - ENGI 9002 Ocean Engineering Structures
 - ENGI 9015 Ocean Engineering Hydrodynamics
 - ENGI 9111 Well Testing
 - ENGI 9112 Multiphase Flow
 - ENGI 9115 Safety and Risk Engineering
 - ENGI 9116 Reliability Engineering
 - ENGI 9117 Offshore Petroleum Geology and Technology
 - ENGI 9119 Compact Process Equipment Design
 - ENGI 9120 Advanced Natural Gas Engineering
 - ENGI 9420 Engineering Analysis
 - ENGI 9609 Environmental Risk Assessment
 - ENGI 9624 Air Pollution
 - ENGI 9625 Offshore Environmental Operations
 - ENGI 9901 Fundamentals of Fluid Dynamics
 - ENGI 9989 Special Topics – Corrosion Principles, Prevention and Control



Admission Requirements

(入学要求)

- CGPA 2.75/4
(本科总绩点2.75/4)
- A min of TOEFL 80 or IELTS 6.5
(托福最低80分，雅思最低6.5)



A Great Place to Be!



Memorial
University of Newfoundland



欢迎加入纪念大学!

www.mun.ca/engineering
jnie@mun.ca

