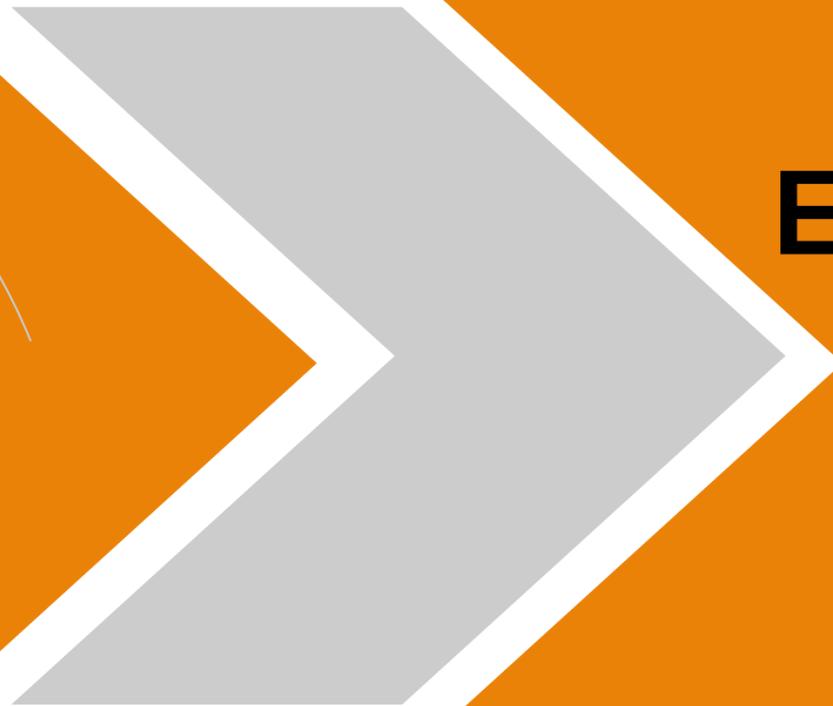




**University of
Applied Research
& Development**



**Real World
Degrees for Real
Life Careers**



Masters in Emergency Response & Risk Management

ERRM Programme Guide - 2021/2

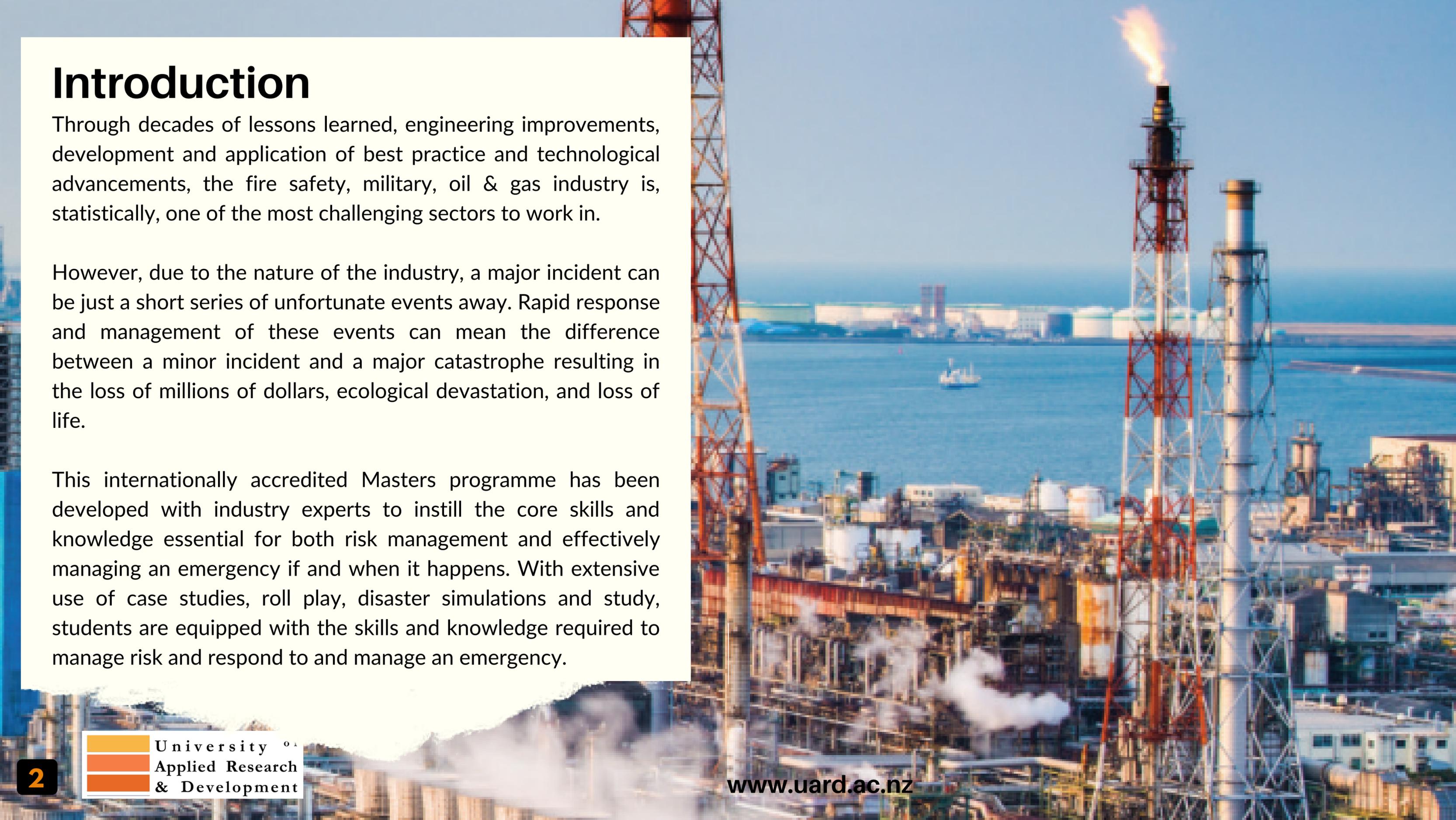
www.uard.ac.nz

Introduction

Through decades of lessons learned, engineering improvements, development and application of best practice and technological advancements, the fire safety, military, oil & gas industry is, statistically, one of the most challenging sectors to work in.

However, due to the nature of the industry, a major incident can be just a short series of unfortunate events away. Rapid response and management of these events can mean the difference between a minor incident and a major catastrophe resulting in the loss of millions of dollars, ecological devastation, and loss of life.

This internationally accredited Masters programme has been developed with industry experts to instill the core skills and knowledge essential for both risk management and effectively managing an emergency if and when it happens. With extensive use of case studies, roll play, disaster simulations and study, students are equipped with the skills and knowledge required to manage risk and respond to and manage an emergency.



Accreditation

In recognizing the need for a higher-level, internationally recognized set of qualifications that include the important mandatory industry standards the University of Applied Research and Development has worked with safety leaders to leverage their extensive industry experience and knowledge to develop and deliver these University level programmes.

Accredited in the UK by Texas A&M University System, the National Open Colleges Network (NOCN) and One Awards, these programmes are designed not only to meet industry standards but to increase leadership capabilities & career advancement in all emergency management, safety and other hazardous industries.



Recognition of Prior Learning

This programme and others developed by UARD incorporate globally recognized industry standards, allowing for recognition of prior learning (RPL) and recognition of current competency.

A number of industry qualifications are currently recognized including certifications from USCG, USDF, FEMA, API, NFPA, OPITO and TEEEX to mention only a few.

For candidates with extensive industry experience and certification, up to 75% of the Bachelor and/or Masters programmes can be completed via RPL.



Delivery

The learning elements of the Masters in Emergency Response & Risk Management will be delivered online and in study groups where possible.

Professors will be using a variety of technologies such as Google Classroom, Meet, Zoom, LMS and dedicated Facebook Groups to facilitate study, deliver lectures and materials to students, and facilitate group work, assessment and assignments.

Students must have access to a computer and a broadband internet connection with sufficient bandwidth to participate in online video conferencing. Additionally, as both students and instructors for this course are from all over the world, delivery will be in English. Students will be required to prove an adequate level of English skill prior to acceptance*.

*See entry requirements, page 7



Workload

To successfully complete the required learning elements, successful applicants to the programme will be expected to be able to dedicate between 5 to 10 hours per week for lectures, workgroups, assessment, and study. On average, the weekly time distribution will be as follows:

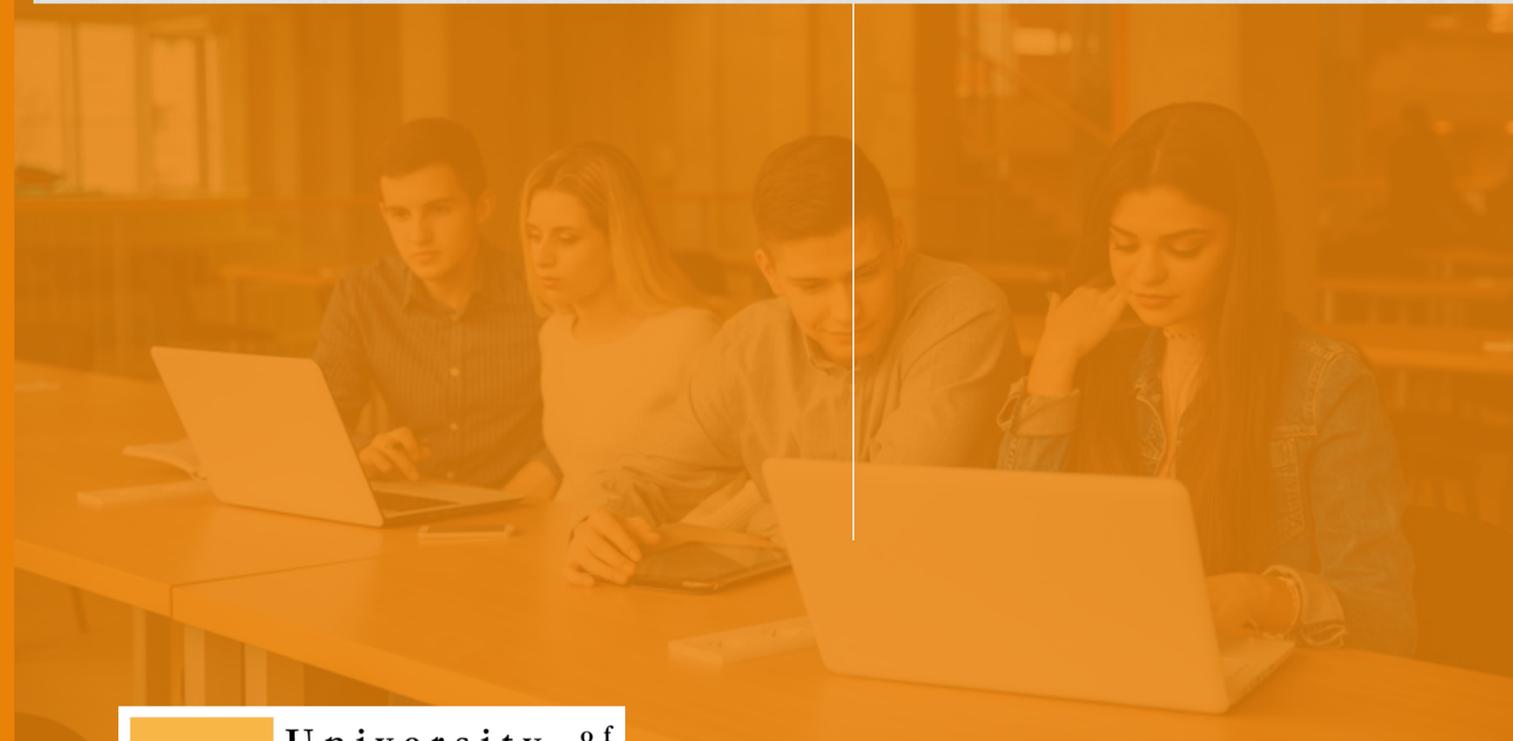
- * 1.5 hours live online class via ZOOM
- * 1-4 hours interaction, Q&A, response time, accessing learning materials in the LMS
- * 2 hours assignment completion



Assessment

The University of Applied Research & Development uses a range assessment strategies to ensure our graduates are well prepared to lead in their industry. Assessments may include the following:

- Group work
- Video summaries
- Share resource creation
- Written assignments
- Live presentations
- Case study investigation
- Research projects
- Examinations
- Whitepaper production
- ... and many more



Entry Requirements

The entry requirements for the Masters in Emergency Response & Risk Management programme are as follows:

- IELTS score of 6.5, or an acceptable equivalent
- Incident Command System (ICS) 100 Introduction
- 5 years of industry experience.

Adequate evidence of the above will be required on submission of enrolment. The University of Applied Research & Development and their delivery partners reserve the right to interview applicants prior to acceptance and to follow up with employers to verify work experience.

Enrollment Process

Enrolment for this programme is conducted online

- Clear, colour scan of your Passport or government issued ID.
- Clear, colour scan of your qualifications & supporting documentation.

Completing the enrolment form:

- If you plan on recognition of prior learning (RPL) please select Yes on the appropriate question.

Course Breakdown



Masters in Emergency Response & Risk Management

Without RPL, the Masters level programme can be completed in as little as 1 year, or spread out over a maximum of 2 years. The courses for the programme are:

- Integrated Disaster Management.Page 10
- Recovery and Reconstruction Management.....Page 10
- Control Measures and Mitigation PlanningPage 11
- Advanced Incident Command System for Complex Incidents.....Page 11
- Leadership in Times of Crisis: The Oil & Gas IndustryPage 12
- Research & Data Analysis for Disaster Management.....Page 12
- Technological Advances in Risk Mapping & Response InterventionsPage 13
- Disaster Management Project..... Page 13

Masters Level Courses



Integrated Disaster Management

Level: 7

Points: 20

Learning Objectives:

- Develop insights and evaluate industry practices when defining disaster risk .
- Apply critical thinking to IDM to make an informed evaluation of knowledge, developing skills as an individual learner and create a key resource set of resources to grow the capacity of your team, organization and industry.
- This type of critical thinking, when integrated with current knowledge, can lead to the creation of new knowledge.
- Outline key international policy developments in disaster risk reduction (DRR), climate change and sustainable development,
- Integrates issues related to stakeholders from different sectors and levels to strengthen community resilience.
- Review case studies from both APAC/ASEAN regions for mitigating flood, earthquake/tsunami and landslide disasters solutions

Recovery and Reconstruction Management

Level: 7

Points: 20

Learning Objectives:

- Generate explanations for the constraints on continuity of healthcare services during and after disasters
- Critically discuss the impact of disasters on the healthcare system, rehabilitation in post-disaster and preparedness measures
- Plan for rehabilitation needed at both national, regional and local levels
- Review measures to prevent secondary disasters, such as infectious diseases and psychological distress.

Masters Level Courses



Advanced Incident Command System for Complex Incidents

Level: 7 Points: 20

Learning Objectives:

With an emphasis on originality & accepted practice create a theoretical framework for practical implementation of the following practices for your team/s:

- Identify the course scope, objectives, and classroom logistics.
- Given a scenario and review materials, apply key NIMS doctrine concepts (NIMS Management Characteristics, Unified Command, Incident Command System structure and functional area responsibilities, IAP Preparation and the Operational Period Planning Cycle, and incident complexity) to the management of a complex incident or event.
- Apply the appropriate structural option to manage a complex incident - re FEMA E/L/G 0400.
- Given a scenario, develop an Area Command organization.
- Identify the complex incident management issues that can result from a lack of multiagency coordination.

Control Measures and Mitigation Planning

Level: 7 Points: 20

Learning Objectives:

- Interpret the nature of conceptual underlying risk factors affecting the most vulnerable populations.
- Autonomously identify risks and control measures - mitigation planning in all phases in the Disaster Management Cycle.
- Practice assessment for planning Disaster Risk Reduction (DRR) and options for taking structural and non-structural measures.

Leadership in Times of Crisis: The Oil & Gas Industry

Level: 7 Points: 20

Learning Objectives:

This advanced programme component provides the key knowledge, understanding and skills needed to contextualize, evaluate, analyze, decide and resolve complex issues, using all available resources. Resources include internal staff and external groups such as contractors, vendors and suppliers. Senior leaders will gain the necessary skills as supervisors to coach and develop their colleagues to meet the minimum competence standards required to work in oil and gas installations. Referencing BTEC 93389.

Through case studies, personal experiences and immersion situations, senior leaders will develop a leadership style that take control, empowers team members and reaches outcomes in critical situations.

Using Robert & James' 'Leadership Concept' model, other scholarly and contemporary literature, senior leaders will build an understanding of both espoused theories and theories in use (Argyris and Schon).

Research & Data Analysis for Disaster Management

Level: 7 Points: 20

Learning Objectives:

- "Research, drawing on local and international perspectives to demonstrate principles of research methodology
- Discusses the processes in conducting an academic research
- Preparing a research proposal presented. Amongst topics to be covered are introduction to research
- Show problem formulation and research objective, literature review, research methodology"



Technological Advances in Risk Mapping & Response Interventions

Level: 7 Points: 20

Learning Objectives:

- Review the emerging technologies that assist in both identifying advanced risk signals and communicating these in advance with accuracy.
- Identify and test the usefulness of new technologies in managing disasters in real-time, responding to human needs and replacing humans in severe situation.

Disaster Management Project

Level: 7 Points: 40

Learning Objectives:

- Adapt knowledge and understandings to particular environments and situations, contributing to the effectiveness and leadership of, your industry .
- Critically analyze issues and situations, taking into account global perspectives.
- Choose a topic of significant interest to the student's role in distance leadership.
- Identify challenges to inclusivity within your topic, and have strategies to deal with these.
- Develop a proposal of research into the significant interest and pursue relevant methodologies to capture data.
- Present findings in a manner that can increase the professional capacity of their industry sector.



Further Information

The Masters Level Programme in Emergency Response & Risk Management is geared towards individuals who want to position their career for success in a public safety or related career. They recognize that getting a masters degree will give them a competitive edge, when combined with professional, volunteer, or internship experience. They typically are already making a difference in the world, solving problems and leading.

Prospective emergency services students include:

- Those who have significant professional public safety experience, and plan to pursue increasingly leadership positions in emergency services administration.
- Public safety professionals, including police command officers, EMTs and active and veteran military members, who seek education to expand or hone their knowledge and skills and position themselves for career advancement.
- Professionals in related fields who want to help their organization with emergency preparedness or make a career change.
- Graduates working toward a masters degree in a related subject, e.g., public health, nursing and environmental sciences, who want to complete a minor or second major in a related discipline.

Other Available Programmes

Emergency Response & Risk Management (ERRM)

1

DIPLOMA IN
EMERGENCY
MANAGEMENT

Level 4
1 Year Programme

2

DIPLOMA IN CRISIS
MANAGEMENT

Level 5
1 Year Programme

3

DIPLOMA IN
EMERGENCY
MANAGEMENT IN THE
OIL & GAS INDUSTRY

Level 4
1 Year Programme

4

DIPLOMA IN CRISIS
MANAGEMENT IN THE
OIL & GAS INDUSTRY

Level 5
1 Year Programme

5

DIPLOMA IN
EMERGENCY
RESPONSE & RISK
MANAGEMENT

Level 4
1 Year Programme

6

ADVANCED DIPLOMA IN
EMERGENCY
RESPONSE & RISK
MANAGEMENT

Level 5
1 Year Programme

7

BACHELOR IN
EMERGENCY
RESPONSE & RISK
MANAGEMENT

Level 6
3 Year Programme

8

MASTERS IN
EMERGENCY
RESPONSE & RISK
MANAGEMENT

Level 7
2 - 3 Year Programme

*Note: Each Diploma gains automatic credit
for entry to the associated Bachelor programme*

A top-down view of a desk with a keyboard, mouse, pen, and plant. The desk is white. In the top left, there is a small potted plant with green leaves. Next to it is a round, silver, divided container filled with pens and pencils. In the top right, there is a silver keyboard and a white mouse. In the bottom left, there is a clipboard with a white sheet of paper and a silver pen. In the bottom center, a person's hand is visible, resting on the desk. A large orange rectangle is overlaid in the center of the image, containing the text "Contact us Now".

Contact us
Now

www.uard.ac.nz