**L.N. 206 of 1998**

# EDUCATION ACT
# (CAP. 327)

## Certificate in Desalination Studies - Cert. Desal. - and Diploma in Desalination Studies - Dip. Desal. - Course Regulations, 1998

IN exercise of the powers conferred upon him by sections 30 (5) and 31 (6) of the Education Act (Cap. 327), the Chancellor of the University of Malta has promulgated the following Regulations made by the Senate of the University of Malta by virtue of the powers conferred upon it by sections 31 and 35 of the said Act:

**Citation and Interpretation**

1. (1) These Regulations may be cited as the Certificate in Desalination Studies - Cert. Desal. - and Diploma in Desalination Studies - Dip. Desal. - Course Regulations, 1998.

(2) In these Regulations, unless the context otherwise requires -

"the Board" means the Board of Studies appointed jointly by the Senate of the University and the Board of the Institute for Water Technology;

"the Certificate" means the Certificate in Desalination Studies - Cert. Desal.;

"the Course" means the Course leading to the Diploma in Desalination Studies;

"the Diploma" means the Diploma in Desalination Studies - Dip. Desal.; and

"the Institute" means the Institute for Water Technology of the Water Services Corporation.

**Applicability**

2. These Regulations shall apply to the courses which started in October 1995 or later.

**Requirements for Admission**

3. Candidates may register for the Course if they:

(a) are in possession of a qualification in Chemistry at Advanced Level; and

(b) satisfy the admission requirements of the University of Malta.

**Eligibility for the Diploma**

4. In order to be eligible for the award of the Diploma, a student must:

(a) register as a regular student in terms of the Admission Regulations of the University;

(b) successfully complete Part 1 (Foundation) and Part 2 (Intermediate) of the Course;

(c) register and successfully complete Part 3 (Specialisation) of the Course;

(d) satisfy the requirements for Work Experience;

(e) pass in each of the Final Comprehensive Examination papers;

(f) successfully submit a long essay, as stipulated in these Regulations; and

(g) satisfy all other requirements established in these Regulations and in any other relevant Statutes, Regulations and Bye-Laws of the University.

**Eligibility for the Certificate**

5. A student who successfully follows the Course as specified in paragraphs (b), (c), (d), and (e) of regulation 4, but fails to satisfy the examiners in the long essay shall be awarded a Certificate.

**Course Duration**

6. The Course leading to the Diploma shall normally extend over a period of 12 months of full-time study. Students may, however, apply for a part-time course by permission of the Board. Any period of study or research in a part-time Course shall be counted as one half of the period followed in the full-time Course.

**Course of Studies**

7. (1) The Course shall be divided into three parts and shall consist of study-units to which not less than 29 credits are assigned, including:

(a) study-units to which not less than 22 credits are assigned;

(b) a period of supervised Work Experience to which 5 credits are assigned; and

(c) a long essay to which 2 credits are assigned.

(2) Part 1 of the Course, entitled "Foundation", shall consist of study-units to which a total of not less than 8 credits are assigned in the following five modules:

Desalination Science
Desalination Processes
Water Chemistry
Electrochemistry
Basic Computing.

(3) Part 2 of the Course, entitled "Intermediate", shall consist of study-units to which not less than 10 credits are assigned in the following five modules:

Membrane and Distillation Processes
Plant Engineering
Water Pre-treatment/Post-treatment
Operations Management
Fouling, Corrosion and Materials Selection.

(4) Part 3 of the Course, entitled "Specialisation", shall consist of:

(a) four study-units, to each of which not less than one credit is assigned, selected from the three modules covering the following areas of study:

RO Plant Operation
Feed Water Chemistry and Pretreatment
Distillation Technology.

Students must follow one complete module consisting of three study-units, as well as another study-unit from any of the other modules;

(b) a period of supervised Work Experience, with a minimum duration of 250 hours, to which 5 credits are assigned; and

(c) a long essay, normally of not less than 8,000 words, to which 2 credits are assigned.

(5) The Work Experience must be undertaken with a particular Technical Branch of the Water Services Corporation under the direct supervision of the Branch Head.

(6) The following grades shall be used in the allocation of credits in descending order of merit: A, B, C, D, and F, where F indicates a Failure.

**Progress**

8. (1) Students shall not be allowed to proceed to Part 2 of the Course unless they obtain a minimum of 6 credits and satisfy the Board in a written two-paper examination held at the end of Part 1.

(2) Students shall not be allowed to proceed to Part 3 of the Course unless they obtain a minimum of 8 credits and satisfy the Board in a written two-paper examination held at the end of Part 2.

(3) The Work Experience shall be assessed by the Board who shall take into consideration the reports submitted by the Branch Head who supervised the student, in consultation with his Group Managers, as well as by means of an interview held by the Board.

(4) Students who fail to satisfy the Board regarding their performance during the Work Experience shall not be allowed to repeat the Work Experience.

(5) Students shall not be allowed to sit for the Final Comprehensive Examination unless they are successfully assessed in their Work Experience, and unless they obtain a minimum of 3 credits in Part 3 of the Course.

**Final Comprehensive Examination**

9. The Final Comprehensive Examination shall consist of two papers each of three hours' duration. Students who fail in one or both papers may be allowed a resit in the failed paper/s. The highest grade that may be awarded in a resit shall be grade D.

**Long Essay**

10. Students shall not be allowed to submit the long essay unless they are successful in the Final Comprehensive Examination. Students must submit the title of their long essay for the approval of the Board, by not later than one week after the publication of the results of the Final Comprehensive Examination. Students may be required by the Board to sit for an oral examination on submission of the long essay. Students who fail to satisfy the

examiners in the long essay may be asked by the Board to submit a revised version of the long essay within eight weeks of the publication of the results. In such a case the highest grade that may be awarded is the minimum grade D.

**Final Results**

11. (1) The final results of a student shall take into account his performance in the Final Comprehensive Examination as well as the credits and grades obtained during the Course.

(2) The Final Comprehensive Examination shall carry 50% of the weighting and the credits shall carry the other 50% of the weighting for classification purposes.

(3) The final results shall be published after the assessment of the long essay, classified as follows:

Pass with Distinction
Pass.