

principally on the basis of the grades obtained in that Examination.

Tuzk>j q gz& nu&uz&-ks v&us &nk&
Oz& kj &g&-gs d g&ut & ar&uz&us gr&ak&
gj s az& &us&oy&buln&ut' ivz j vz u v&k&

Professional Years); or three years if exempted from the whole of the Intermediate Year;

(ii) candidate in the associated examination);

Scholarships qualification in appropriate subjects, or in other examinations approved by the Dean of Engineering and Forestry for the purposes of this regulation, may be considered for direct entry to the First Professional year of the BE(Hons) degree.

Tuz&nk&yz&tj g& &lj nd&| ks kt z&tj >nk&&
y& h&ki z&us& n&n&ng&km& rg&ut &ng&v&v&ng&ak&
ky&gh&ng&kj &nk& k&t & nu&ng&ng&k&ut y& rz&j & an&
zn&ak&k&|gt z&kg& &|& kv&xs kt z4

(iv) perform to the satisfaction of the Faculty of Engineering and Forestry the period of approved practical work;

(v) submit an approved valid First Aid Certificate.

Tuz>j q gz&lj s az& &aki z&ut& &ul&
zn&bul&ky&ut gr&kg>j >j q gz& nu&ng&k&
i us vr&k& &nk&kt nat klod nat& z&os kj &g&uz&t uz&nk&
{ t q ky&az& { yz&gy> &v&vu| kj &lj gj ks o& x&ad n&
zy&ak&l uk&nk& ar&ak&os az& &u&um&ky&us&nk&
y&i i kj d nat&ul&ky&ut gr&kg&ul &z&j &4

5 E C CE
E () D E

Notwithstanding! Professional Examination, except that in some o

the candidate may be required to complete a special

- (c) Not more than 60 hours are credited in any one week.
 - 6. Students wishing to graduate at a ceremony during Semester 1 must have completed all practical work requirements by 4 March. Those wishing to graduate at a December ceremony must have completed all practical work requirements by 1 November.
 - 7. On receipt of a written application accompanied by supporting documents from a student who has served an indentured engineering apprenticeship or who has performed similar work for a satisfactory period, the Faculty may accept such work as partial or total exemption from the above practical work requirements.
 - 8. The Faculty may relax or modify the application of clauses 1 to 7 in individual cases.
- (b) obtain 172 points by passing courses selected from the Schedule to the Regulations for the Degree of Bachelor of Science which have not been credited to the Degree of Bachelor of Engineering (Hons), or used to obtain exemption from a course in that degree. At least 84 of these points shall be at 300-level, at least 56 shall be from a single subject or as required by the subject matter. Students admitted into the Bachelor of Engineering (Hons) under BE(Hons) Regulation 4 must complete the 172 points as described above.

13 E C S B

10 C

The degree of Bachelor of Engineering with Honours may be awarded with First Class Honours, with Second Class Honours or with Third Class Honours: the list of candidates obtaining Second Class Honours shall be listed in two Divisions (Division I and Division II). The class of Honours awarded shall be determined by the candidate's performance in the Second and Third Professional years.

Note: Candidates may enquire from the Dean of Engineering and Forestry as to Faculty's policy in this matter.

11 BE

Candidates who have passed all courses and completed all other requirements for a BE(Hons) but whose performance in the courses is deemed by the Dean of Engineering and Forestry, upon recommendation by the examiners, not to be of Honours standard will be awarded a degree of Bachelor of Engineering without Honours.

12 C E BE() B D

A candidate who enrolls concurrently for the Degree of Bachelor of Science and Bachelor of Engineering with Honours shall, in order to qualify for the award of both degrees, be enrolled for a course of study approved under the provisions of the General Course and Examination Regulation A3 for a period of at least five years or for at least four years if exempted the whole Intermediate Examination, and shall:

- (a) meet all requirements as laid down in the current regulations for the Degree of Bachelor of Engineering with Honours;

marks were obtained may be replaced by another course. Normally permission will be given for only one such replacement.

Each candidate must have the Engineering Intermediate course change approved by the Dean of Engineering and Forestry.

Candidate's Academic Record

E

18 F E

- (1) ENH 210 Engineering Mathematics
- (2) ENH 271 Mathematical Modelling and Computation 2
- (3) ENH 202 Engineering Materials 1 (Chemical)
- (4) ENH 241 Engineering Chemistry 2
- (5) ENH 250 Chemical Process Technology

Civil Engineering

21 F E

- (1) EMTH 210 Engineering Mathematics
- (2) EMTH 271 Mathematical Modelling and Computation 2
- (3) ENCI 211 Design Studio 1
- (4) ENCI 230 Mechanics of Materials
- (5) ENCI 234 Structural Engineering 1
- (6) ENCI 241 Fluid Mechanics 1
- (7) ENCI 252 Geotechnical Engineering 1
- (8) ENCI 262 Survey, Transport and GIS
- (9) ENCI 271 Engineering Geology and Hydrology
- (10) ENNR 203 Environmental Quality and Ecosystems

22S E

- (1) ENCI 302 Engineering Mathematics 3 (Civil)
- (2) ENCI 303 Engineering Decision-making
- (3) ENCI 312 Design Studio 2
- (4) ENCI 332 Structural Concrete
- (5) ENCI 333 Structural Steel
- (6) ENCI 334 Computational Mechanics
- (7) ENCI 341 Fluid Mechanics 2
- (8) ENCI 351 Geotechnical Engineering
- (9) ENCI 363 Infrastructure Management
- (10) ENCI 383 Environmental Engineering 2

In lieu of ENCI 302 Engineering Mathematics 3 (Civil) a candidate may offer any 300 or 400-level Mathematics course provided the candidate can satisfy the prerequisites, the course has not been credited towards a degree, and the Head of the Department of Civil Engineering provides written approval.

In lieu of ENCI 302 Engineering Mathematics 3 (Civil) a candidate may offer any 300 or 400-level Mathematics course provided the candidate can satisfy the prerequisites, the course has not been credited towards a degree, and the Head of the Department of Civil Engineering provides written approval.

23 E

- (1) ENCI 403 Management of Engineering Systems
- (2) Either (i) NINE of the courses listed below

C

E

240

D 188

(2)-2(40 0 D7

(-8F -8 8 0 0 7(2)-2(4 -2(4

-8F -8 7(2)-2220(14()3

0 7

- (g) ENEL 340 Special Topic
- (h) ENEL 341 Special Topic
- (i) one COSC 300-level course or one MATH 300-level course or one STAT 300-level course

A candidate's choice of courses shall be as approved by the Head of Department. Subject to the approval of the Head of Department, a candidate may offer in place of one (or two) courses, listed under (4) and (5) in this Regulation, any set of degree courses which, in total, is equivalent to at least 18 (or 36) points at 100-level, or 22 (or 44) points at 200-level, or at least 14 (or 28) points at 300-level, provided the candidate satisfies the necessary prerequisites for each course concerned and that none of the courses have been credited towards a degree.

Tuzky@

7& Tuz&g&uf xky& /g&u&8& ar&k kyg&6&k&
g/g&ghrk& &t&6&tk&kf yg& &xj a k k&

4 F E

The courses of the Third Forestry Examination shall

Yzj ktzy&us vrikzd n&nk&oyz&wkyz&ek-gs d gzaıt & gztgt uznk&t d kyaz&nyu f rj &us vrikz&UXK&S&E&gy& vgz&il &nkod&il-gs d gzaıt z&t &ek f &il &UXK&S&E>j & LUXK&S&E&UXK&S&E&gyru&g j gaghrik&w&v&z&j ktzy& } nu&pk& uz&zt zktj d n&u&f u&wkyz&E>j & nu&pk& { tghrik&uz&gzktj &UXK&S&E&UXK&S&E&ut &gs v f y4

8& G&S d as { s &v&f d grkt z&il &E&v&ud z&v&it &v&v&u&lj & i u f yky&il &nk&ki ut j &u&us vrikz&nk&oyz&wkyz&ek K-gs d gzaıt 4

: &G>j d gzk& nu&agy&g&akj &u&v&gd &g&v&v&it &gm& znk&u&f yky&il &nk&oyz&wkyz&ek-gs d gzaıt &w&g& v&v&v&it &nk&il-gs d gzaıt &v&g&g& nu&rk& g&E& am&nk& g&v&v&u&lj gr&il &nk&il kgt &il &kt nat k&od m>j &wkyz&E& hk&v&ks az&j &u&sk&v&kg&zn&ku&f yk&w&v&u&f yky&g&akj & u&v&it xur&il &v&v&v&u&lj &f hy&az& zky&uti { x&kt z&E& am& i u f yky&il &nk&ki ut j &wkyz&ek-gs d gzaıt 4

: & Znk&il kgt &il &kt nat k&od m>j &wkyz&E&ut &g&gd m& d zu&g&i i u f z&nk&il g&j ks & &ki u&j &il &g>j d gzk& s g&v&v&u&lj k> &gr&kt g&zd k&u&f yk&il &z&j E& l g&tj d gky&v&x&j kt z&j &us &g&gd m>u&f yk& z&v&u&f nm&es ag&zaıt &il &kt z&E&v&f t g j gagh&az&g> gt uznk&t d kyaz&nyu f rj &ut y f rz&nk&il kgt &ghu&f z& y f aghrik&gr&kt g&zd ky4

3S F E

The courses of the Second Forestry Examination shall normally be as follows:

- (1) FORE 202 Plant Ecology
- (2) FORE 215 Forest Economics
- (3) FORE 216 Surveying and Information Technology in Forestry
- (4) FORE 218 Forest Health and Dendrology
- (5) FORE 219 Introduction to Silviculture
- (6) FORE 222 Biometry 1A
- (7) FORE 224 Biometry 1B
- (8) SOIL 203 Soil Fertility

Tuz&il >j d gzk& nu&agy&g&akj &u&v&gd &g&v&v&it & gr&nk&u&f yky&il &nk&ki ut j &wkyz&ek-gs d gzaıt & w&g& v&v&v&it &nk&il-gs d gzaıt &v&g&g& nu&rk& g&E& am& nk&v&v&u&lj gr&il &nk&il kgt &il &kt nat k&od m>j &wkyz&E& hk&v&ks az&j &u&sk&v&kg&zn&ku&f yk&w&v&u&f yky&g&akj & u&v&it xur&il &v&v&v&u&lj &f hy&az& zky&uti { x&kt z&E& am& i u f yky&il &nk&ki ut j &wkyz&ek-gs d gzaıt 4

k Q k Q Ū € , i a é ifl ;

Award Regulations

D F (D F)

Ykk&ryu&kt logr&u(xyk&tj &-gs d gzwit &knf rgzwit y4

1

E

D

(a) Everk

35

D

- (a) The ME degree is awarded as an endorsed degree in an area of specialisation selected from those specialisations listed in Schedule A.
- (b) Each candidate must complete a programme of study with a minimum total weight of 14 EFTS. The programme of study consists of a thesis (10 EFTS) and courses with a total course weighting of not less than 48 points (0.4 EFTS). The courses must be selected as follows:
 - i. courses with a total course weighting of not less than 12 points (0.1EFTS) must be selected from the 600-level courses listed in Schedule B; and
 - ii. additional courses with a total course weighting of not less than 24 points (0.2 EFTS) must be selected from the 600-level courses listed in Schedule B, or from postgraduate courses offered outside the Engineering programmes; and
 - iii. any remaining courses, that ensure that the total course weight is not less than 48 points (0.4 EFTS), may be selected from 400-level courses offered in the Engineering programmes; and
 - iv. the courses selected must satisfy the specific requirements for the chosen specialisation in Schedule A.
- & Tuzk& uz&gn&u/ xyk& g&ak&g/ g&hrik& g&anjkt & j gi avrd k&it g&t g&kg&4
- (c) Each programme of study must be approved by the Head of Department and Dean of Engineering and Forestry.
- (d) In exceptional circumstances the Dean of Engineering and Forestry may approve appropriate substitutions for courses listed in Regulation 3(b) above.

4 E

Subject to the approval of the Dean of Engineering and Forestry, students with relevant previous postgraduate study, or extensive relevant industry experience, may apply for exemption from some, or all, of the coursework (48 points) component of the degree.

5 F - - E

- (a) A candidate shall normally enrol as a full-time candidate.
 - i. A full-time candidate will enrol for not less than one year four months and not more than three years; or

- ii. if a candidate has been exempted courses under Regulation 4, then a minimum and maximum period of enrolment, consistent with the level of exemption, will be determined by the Dean of Engineering and Forestry at the time of enrolment, such that the minimum period is not less than one year.

& Tuzk& an&nk&gvvxu/ gr&il &nk&g/ vk&g/ gw> j & Nkgj &il & kvgx& kt z&g&il r&as k> j g&zk& g&e& h&k&s vr&g&j &it &nk&t q&ky&e&it &g&j ks g&gr&e& xrk/ gt z&g/ w&g&u&v&e> g&j/ k&gnrk&il &e&u/ xy&v&k&e& } k&q&il/ k&e&nk&g&rikt j g&e&kg&4

- (b) With the approval of the Dean of Engineering and Forestry, a candidate may be enrolled as a part-time candidate. A part-time candidate is one who, because of health, employment, family, or other circumstances, is unable to devote himself or herself to full-time study and research.
 - i. A part-time candidate will enrol part-time for not less than two years six months and not more than four years; or
 - ii. if a candidate has been exempted courses under regulation 4, then a minimum and maximum period of part-time enrolment, consistent with the level of exemption, will be determined by the Dean of Engineering and Forestry at the time of enrolment.

- & Tuzk> j g&zy&g&k&-vk& z&j &u&ak&t&umkj &ank&e& v&gz&as k&u&il r&as k&ut g&ut z&il { u/ y&g&gy&4 g&g& i> j g&zk> &uz&ak&t&umkj &ut z&il { u/ yr&g& { k& z&u&oi { s y> i ky&ak&ut j &nk&e&ut z&ur&nk&e& { y&e& g&vr&e&u&nk&g&kt &il &it n&at&k&od&ng&t j &u&ky&e&u&v&g& y/ yvkt y&ut 4

6 E D

Award Regulations

9 E D

Where a candidate has demonstrated high research potential and has the support of the Head of Department, the candidate may abandon the Master of Engineering degree and apply to transfer to a PhD degree with su su er

D E F E
(EFE)

Ykk&nyu&kt kgr&u/ yk&tj &-gs d gzwit &knf rgzwit y4

In granting such permission, the Dean shall determine the minimum period of study and may impose other conditions.

*Tuzk@gtj q gzy&k&-vki zkj &ud&k&t xumkj &amkx&
vgxz&os k&u&k& r&os k&ut &g&ut zd { u/ y&goy&4&g&
i gtj q gzk> &uz&k&t xumkj &ut zd { u/ y&g& { k&u&
i oi { s y> i ky&k&ut j &nko&ut zur&anke& { y&g&vvr&e&u&
znk& kgt &il &kt m& k&od n>j &wkyz&e&w&g&f yvkt y&ut 4*

5 S

A candidate for the Degree of Master of Engineering in Fire Engineering by examination and project report shall:

- i. enrol in and pursue either full-time for one year or part-time for a _____ date of Mast

- ii. during the year of study, pass an examination in six courses selected from the Schedule to these Regulations; and
- iii. during the year of study, present a project report and satisfy the examiners therewith.

3 E D

In cases of excen en en eÓ

d;

een b Ó

examhe sati

ig t j g gzk> &uz&ak&t xun kj &ut zd { u f y r e { k&u& i o i { s yz g t i ky&ak&ut j &nk&od&ut zur&nk&es { yz&gvvr&e&u& znk&l kgt &l &t mt klod& n> j &u&kyz&e&u&xy&g f yvkt y&ut 4

5 S
E

A candidate for the Degree of Master of Engineering in Transportation by examination and project shall:

- i. enrol in and pursue either full-time for one year or part-time for not less than two years and not more than four years a programme of study approved by the Dean of Engineering and Forestry; and
- ii. during the programme of study, pass an examination in six courses at least four of which must be selected from the Schedule to these regulations and up to two of which may be such other courses as may be approved by the Director of the Transportation Engineering Programme; and
- iii. during the programme of study, present a project report and satisfy the examiners therewith.

6 S
E

A candidate for the Degree of Master of Engineering in Transportation by examination and thesis shall:

- i. enrol in and pursue either full-time for not less than one year and not more than three years, or part-time for not less than two years and not more than four years, a programme of study approved by the Dean of Engineering and Forestry; and
- ii. pass an examination in one to four courses as determined by the Director of the Transportation Engineering Programme and selected from the Schedule to these Regulations; and
- iii. present a thesis and satisfy the examiners therewith, and, if so required, take an oral examination on the subject of the thesis and related subjects.

7 S
A

A candidate for the Degree of Master of Engineering in Transportation by thesis shall:

- i. enrol in and pursue either full-time for not less than one year and not more than three years, or part-time for not less than two years and not more than four years, a programme of study approved by the Dean of Engineering and Forestry; and

- ii. present a thesis and satisfy the examiners therewith, and, if so required, take an oral examination on the subject of the thesis and related subjects.

8 E D

In cases of exceptional merit candidates may, on the recommendation of the examiners, have the degree awarded with Distinction. In recommending a candidate for admission to the degree and in recommending Distinction the examiners will take into consideration the combined results of the project report or thesis and of all courses taken.

Tuz&@gt; j g gky&s g&ak&t v f ok&us &nk&l kgt &l & Kt mt klod& n> j &u&kyz&e&u&u&nk&szgt; j g j y&kv&v&ok j & l ux&l gzd i z&ut 4

9

The following conditions shall apply to the preparation, presentation and examination of the thesis:

- i. the presentation of the thesis shall conform to the requirements of the General Course and Examination Regulations, Part L, to the Guidelines for Masters Thesis Work and to the Library's guide to thesis production;
- ii. the thesis shall describe the work done by the candidate in an investigation in a subject approved by the Director of the Transportation Engineering Programme; the investigation shall be carried out at the University by the candidate under the direct supervision of a member of academic staff; in special circumstances the investigation may be carried out in such other places for such period or periods as may be determined by the Director of the Transportation Engineering Programme;
- iii. the candidate shall submit for examination two hard bound copies of the thesis;
- iv. the thesis shall be examined by an external examiner appointed by Council and by one or more internal examiners appointed by Council (Note: See also General Course and Examination Regulations, Part D);
- v. if the thesis at its first presentation is inadequate to secure a pass the Academic Board may, on the recommendation of the examiners, permit the candidate to revise the thesis and resubmit it by a specified date;
- vi. except with the approval of the Dean of Sa D

Award Regulations

C

D E S (E S)

Ykk&ryu<kgr&u{ xk&tj &-gs d gzwit &&n&rgzwit y4

1 D

The degree of Master of Engineering Studies (MEngSt) is offered in Chemical and Process Engineering, Civil Engineering, Electrical and Electronic Engineering, and Mechanical Engineering.

**2 E
D**

A candidate shall have:

- (a) i. qualified for the award of the Degree of Bachelor of Engineering with Honours; or
- ii. qualified for the award of the Degree of Bachelor of Engineering; or
- iii. qualified for the award of the Postgraduate Diploma in Engineering; or
- iv. qualified for the award of the Degree of Bachelor of Science with Honours in appropriate subjects; or
- v.

