



UNIVERSITY OF TM
KWAZULU-NATAL
—
INYUVESI
YAKWAZULU-NATALI

Introduction to Engineering Degrees and Academic Monitoring

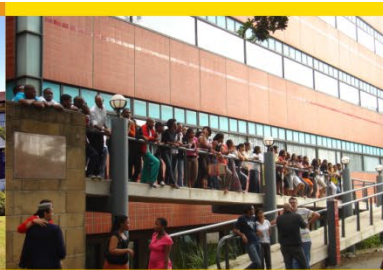
Prof Dillip Das
Academic Leader – Teaching and Learning



EDGEWOOD CAMPUS



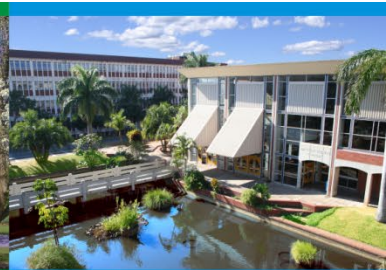
HOWARD COLLEGE CAMPUS



NELSON R MANDELA SCHOOL OF MEDICINE



PIETERMARITZBURG CAMPUS



WESTVILLE CAMPUS

INSPIRING GREATNESS

Engineering

- Critical profession for the future of the country
- Degree is tough but rewarding
- Be careful of the transition from school
- Students should enjoy their time at university, both socially and intellectually



Programmes Offered

Academic Clusters	Programmes	UG Degrees
CAESC	Civil Engineering Agricultural Engineering Surveying	BScEng(Civil) BScEng(Agricultural) BScSur
CH	Chemical Engineering	BScEng(Chemical)
EECE	Electrical Engineering Electronic Engineering Computer Engineering	BScEng(Electrical) BScEng(Electronic) BScEng(Computer)
ME	Mechanical Engineering	BScEng(Mechanical)

Programme Structure

- 2 Semesters per year @ 13 weeks of teaching + 3 weeks of exams
- Usually 8 or 16 credit modules
- 1st year \Rightarrow 2nd year \Rightarrow 3rd year \Rightarrow 4th year \Rightarrow professionally recognised degree
- Coursework (Continuous Assessment)
 - Practicals
 - Tutorials
 - Tests – important to gauge progress
- ✓ DP = Duly performed \Rightarrow may write exams
- Main / Supplementary examinations

Examinations – Formal Process

- **DP Requirements:**
 - Handbook & Course outlines define requirements
 - Must meet the requirements – don't wait until the end of the semester
 - ECSA level outcomes
- **DP appeal process:**
 - DP refusal is only overturned on technical grounds
- **Exam Board**
 - Ratifies results after marking and moderation
 - Applies TERM DECISIONS in accordance with the robot system
- **Note cut off dates for:**
 - Application for Special Exams (≤ 5 days of exam date)
 - Re-marks (≤ 10 days from official release of results)

Rules

Duly Performed (DP) requirements

Due performance (DP) of the work of a module shall be assessed by the instructor on the basis of attendance at 80% of all practicals, tutorials and fieldwork, assignments and tests. Minimum requirements is usually 40% for the class record

Supplementary examinations

A mark of between 40 – 48%

Deans Commendation

Credit weighted average of 75% or more for a semester

Renewal of entrant scholarship

Overall credit weighted average of 80% or more for the year (2 semesters)

Cum Laude

75% – 79% for all modules in degree, degree completed in minimum time, no supplementary exams

Summa Cum Laude

Over 80% for all modules in degree, degree completed in minimum time, no supplementary exams

Rules

- Special exams (GR23)
- Re-marks (GR20)
- Viewing of scripts (GR20)

(Please refer to specific rules mentioned in the Handbook)

What Students Should Know

- 16-20 lectures a week
- Three to four 3 hour pracs/tuts (usually afternoon)
- First lecture 7.45 am
- Pracs end at 5.15 pm
- No “teachers’ meetings” or report cards
- Continuous assessment - they WILL have tests in all subjects
- Need to earn a DP to be allowed to write exams

How Students Can Help Themselves

- Work consistently and effectively
- 72 credits \Rightarrow 720 hours for an average student \Rightarrow 60 hours/week (usually more, especially if you want to do well)
- Resolve problems early
- Consult lecturers if you have problems or are not sure what to do
- If necessary, consult with the Programme Coordinators or Academic Leader (Teaching & Learning) Dean
- Social life: Important but in moderation!

What We Expect of Our Students

- Work hard - and consistently
- Don't fall behind – seek help
- Don't ever bunk a lecture, tutorial or practical
- Don't ever, **ever** cheat in any way

- Be enthusiastic
- Become involved
- Embrace ALL university has to offer

Cheating and Plagiarism

- Too easy to copy
- You learn nothing and fool yourself **ONLY**
- Do your own work and do not copy
- Prosecution may mean permanent expulsion and a criminal record!!!

What You Can Expect From Us

- Quality education with high standards
- Nurturing environment
- Professionalism, integrity and fairness
- Multicultural environment
- Tolerance and respect for all
- Pride in ourselves, our students and our university



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Progression



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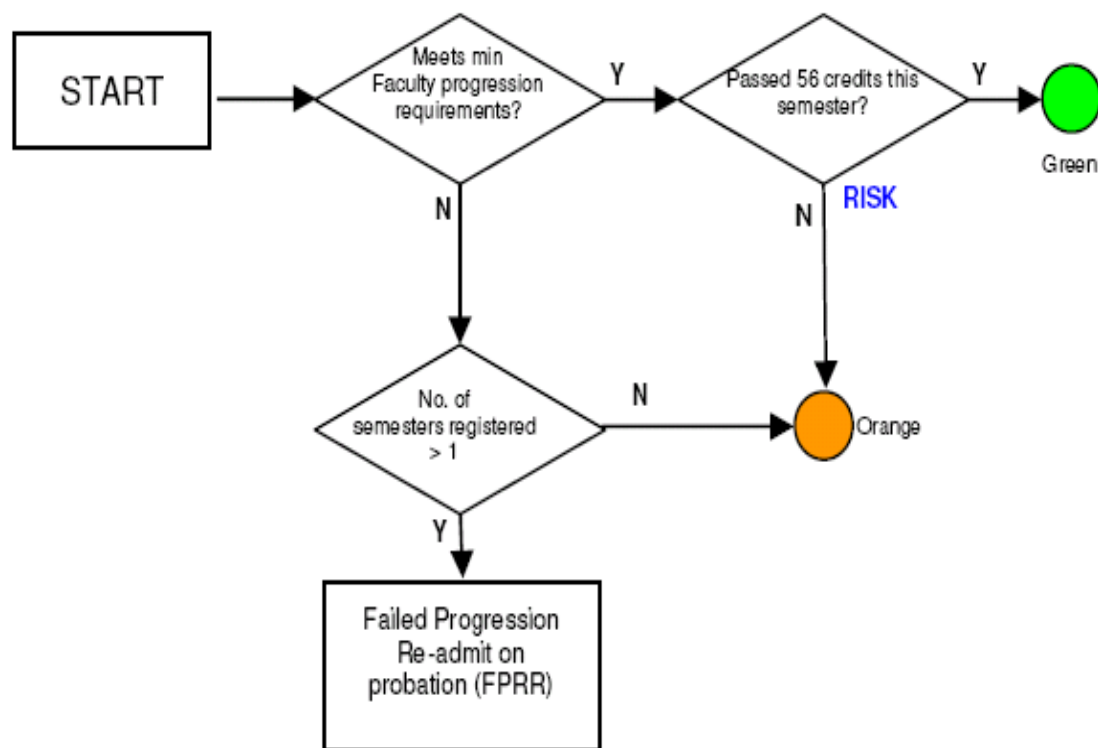
INSPIRING GREATNESS

Progression

- **Progression requirements (per semester)**
 - Normal: 72 credits = 720 hours for a “normal” student
 - Minimum: 48 credits
- **Risk**
 - Below 56 credits in a semester
- **Exclusion**
 - After 2 consecutive warnings (< 48 credits/semester)
 - Only one appeal is allowed
 - Re-admission (probation/conditional)
 - Re-direction (other College or institution)
- **Class of degree**
- **Certificates of merit**

Progression

Students who were never previously below the minimum Faculty progression requirement.



Semesters	Minimum Progression	Maximum	75%
1	48	72	54
2	96	144	108
3	144	216	162
4	192	288	216
5	240	360	270
6	288	432	324
7	336	504	378
8	384	576	432
9	432		
10	480		
11	528		
12	576		

**Scary flowchart in College Handbook for under-performing students:
Avoid this!**

Progression

What can happen?

- Excellent performance!
4 Certificates of Merit + Dean's Commendation

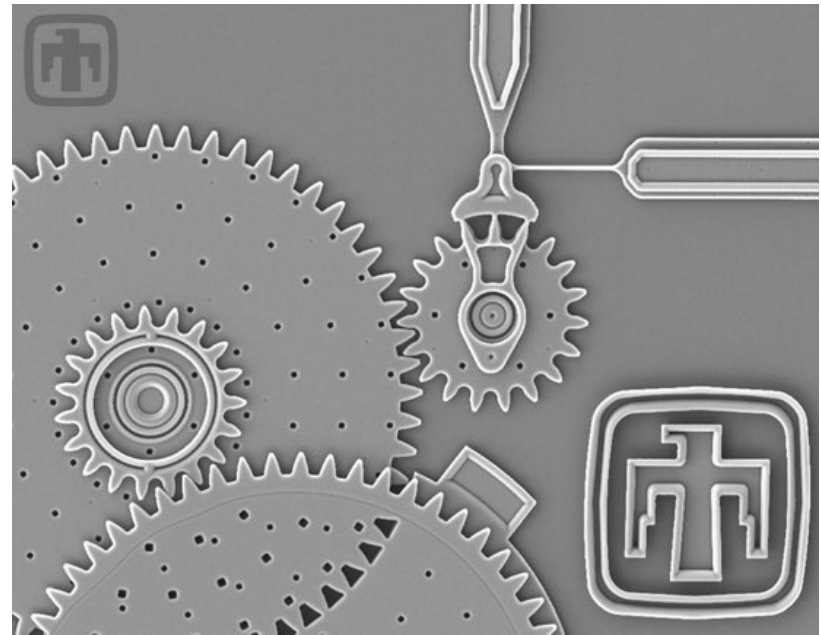
ENG-CH : Bachelor of Science in Engineering (Chemical Engineering)						Full Time
CHEM161	Chemical Engineering Chemistry 1	HA	15	89	PM	Certificate of Merit
ENCH1EA	Chemical Engineering Principles 1	HA	8	80	PM	Certificate of Merit
ENCH1TC	Technical Communication for Engineers	HA	8	75	P	Pass
MATH131	Mathematics 1A Eng	HA	15	96	P	Pass
MATH132	Applied Mathematics 1A (Eng)	HA	15	86	PM	Certificate of Merit
PHYS161	Chemical Engineering Physics 1A	HA	8	88	PM	Certificate of Merit
Earned For 2009 Block 1 :		-->	72	WAV :	87%	
Deans Commendation						

- Poor performance: If your child is really not coping despite proper level of effort, consider other options

ENG-CH : Bachelor of Science in Engineering (Chemical Engineering)						Full Time
CHEM161	Chemical Engineering Chemistry 1	HA	15	52	F	Fail
ENCH1EA	Chemical Engineering Principles 1	HA	(8)	37	F	Fail
ENCH1TC	Technical Communication for Engineers	HA	8	69	P	Pass
MATH131	Mathematics 1A Eng	HA	(15)	26	F	Fail
MATH132	Applied Mathematics 1A (Eng)	HA	(15)	34	F	Fail
PHYS161	Chemical Engineering Physics 1A	HA	(8)	33	F	Fail
Earned For 2009 Block 1 :		-->	24	WAV :	40%	
Performance Unsatisfactory must consult Dean						

College Office

- Staff help with academic administration
- Around 800 students for each admin officer so be nice, patient and polite!
- Applications
- Orientation
- Registration
- DP Appeals
- Graduations
- Withdrawals
- Exam Boards
- Exclusions



Thank you