

EEE 3352



Electromechanics & Electrical Machines



Course lecturer:

Dr A Zulu; Room 121
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Laboratories:

Mr Moonga
Electrical machines lab



Course Outline

1. Introductory concepts
2. Electromagnetic fields
3. Magnetic circuits
4. Transformers
5. Introduction to electric power systems
6. Generators and motors
7. Illumination



Recommended Text

1. Hughes, E., *Hughes Electrical and Electronic Technology*, 12th Edition, 2016, Pearson Education Ltd, Essex, England. ISBN 9781292093048
2. Hughes, E., *Hughes Electrical and Electronic Technology*, 9th Edition, 2008, Dorling Kindersley Publishing, Delhi, India. ISBN 978-81-317-1468-3 (LPE)

Assessment

	Number	Timing	Weighting
Assignments	8	Every week	5%
Laboratories	6	As scheduled	15%
Tests	1	Mid-term	20%
Exams	1	End of term	60%