

ENEMP 201A Intermediate Engineering Maths & Physics

PART (1)

CLASS LESSON NOTES FOR BASIC CONCEPTS AT FOUNDATION/ADVANCED DIPLOMA LEVEL

In this subject you will build upon previous study and gain further knowledge and expertise in applied mathematics and physics. You will develop specific knowledge and skills relating to:

Mathematics:

- Sequences, series and approximations
- Statistics
- Partial Differential Equations
- Matrices

Physics:

- Particle physics and cosmology
- Electromagnetic waves and the EM Spectrum
- Nature of light
- Reflection, refraction and diffraction of light and lenses.

Maths Part 1

BAE401 Week 1 Lesson All

BAE 401 Week 1 Lesson Part 1_ Part 2_ Part 3_ Part 4_ Part 5_ Part 6

BAE401 Week 2 Lesson All

BAE401 Week 3 Lesson All

WEEK (4) REVIEW + TEST & ASSESSMENT FOR BAE401

Maths Part 2

BAE402 Week 1 Lesson

BAE 402 Week 2 Lesson

BAE 402 Week 3 Lesson

WEEK (4) REVIEW + TEST & ASSESSMENT FOR BAE402

Physics

PART (2)
REFERENCE TEXT BOOKS & WEEKLY –LESSONS AT
ASSOCIATE DEGREE LEVEL (SELF STUDY)

TEXT BOOK- Textbooks can be copied from USBs & DVD.

For Mathematics

Prescribed Texts:

Bird, J, 2006, Higher Engineering Mathematics, 5th edition or later, Newnes Publishing, ISBN- 10: 0-75-068152-7.

For Physics

Prescribed Texts:

Giancoli, DC, 2000, Physics For Scientists And Engineers, 4th or latest edition, Volumes 1,2,3, ISBN: 9780132273596.