

PHYS328 Selected Topics in Measurement Science

Preliminary Reading List for PHYS328 2014

Given the broad range of topics covered in this course, there are no set textbooks. All reading material required will be loaded onto Mi Side at a time appropriate for each lecture,

| Document Title | Location |
|--|----------|
| Introduction to the Course | |
| Introduction to PHYS328 2013.pdf | Mi Side |
| McGhee et al 1998.pdf | Mi Side |
| McGhee 2005.pdf | Mi Side |
| Radioisotope Methods | |
| Radioisotope Methods 1.pdf | Mi Side |
| Interactions and Detectors 2011.pdf | Mi Side |
| Radiation Measurements 2.pdf | Mi Side |
| Compendium Radioisotope Measurements 2011.pdf pp 1-35. The Appendix is not examinable. | Mi Side |
| Permittivity Methods | |
| Permittivity Sensors Part 1.pdf | Mi Side |
| Permittivity Sensors Part 2.pdf | Mi Side |
| Permittivity Sensors Part 3.pdf | Mi Side |
| Industrial Process Tomography | |
| IPT Revision Compendium 2013.pdf | Mi Side |
| Flow imaging by high speed transmission tomography.pdf | Mi Side |
| Single and Two-Phase Flow Measurement | |
| S & 2PFM.pdf | Mi Side |
| Flow measurement RTedit.pdf | Mi Side |
| Falcone et al 2010.pdf | Mi Side |
| Multiphase Flow Measurement | |
| FM O & G 1.pdf | Mi Side |
| FM O & G 2.pdf | Mi Side |
| Thorn et al 2013.pdf | Mi Side |