

School of Mathematics

Module MA3442 — Quantum mechanics II
(JS Theoretical Physics)

2010-11

Lecturer: Dr. Michael Fry

Requirements/prerequisites: prerequisite: MA3441

Duration: Hilary term, 11 weeks

Number of lectures per week: 3 lectures including tutorials per week

Assessment:

ECTS credits: 5

End-of-year Examination: This module will be examined jointly with MA3441 in a 3-hour examination in Trinity term, except that those taking just one of the two modules will have a 2 hour examination. However there will be separate results for MA3442 and MA3441.

Description:

Refer to (second half of) <http://www.maths.tcd.ie/pub/official/Courses08-09/441.html>

Learning Outcomes: On successful completion of this module, students will be able to:

- demonstrate understanding — at an entry level — of 20th/21st century physics
- formulate solutions to complex problems
- apply quantum theoretical techniques to complex problems.

April 21, 2011