

Schedule for the 2005 EGSnrc Course

Subject to change

Day 0: Sunday, May 8 , 2005

18:00 Icebreaker at hotel

Day 1: Monday, May 9, 2005

8:15 **Registration & Coffee**

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|-----|-------|------------------------------------|-------|
| 1) | 8:30 | Introduction to the course and EGS | Dave |
| 2) | 9:10 | Photon Physics | Iwan |
| 3) | 9:45 | Computer environment | Blake |
| | 10:00 | Coffee (15 min) | |
| 4) | 10:15 | Elementary Mortran3 | Dave |
| L1) | 11:00 | Intro to Mortran3/laptop install | All |

12:30 **Lunch (60 min)**

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| 5) | 13:30 | Restricted stopping powers, AE, AP & EXAMIN | Dave |
| L2) | 14:00 | Examining PEGS4 data sets with EXAMIN | All |
| | 15:00 | Coffee (15 min) | |
| D1) | 16:00 | Report back on Lab and Day 1 lectures | All |
| | 17:00 | Finish (free night) | |

Day 2: Tuesday, May 10, 2005

8:15 Coffee and muffins

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| 6) | 8:30 | Mortran3: II - Macros & other tricks | Lesley |
| 7) | 9:00 | How to build and run a user-code: | Iwan |
| 8) | 9:45 | What is in an EGSnrc user-code?
tutor1 & tutor2 | Dave |
| | 10:15 | Coffee (15 min) | |
| | 10:30 | What is in an EGSnrc user-code (cont'd) | Dave |
| 9) | 12:00 | Electron Physics: I | Iwan |

12:30 **Lunch (60 min)**

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|-----|-------|---------------------------------------|------|
| 9) | 13:30 | Electron Physics: II | Iwan |
| 10) | 14:00 | Statistics and Efficiency | Jan |
| L3) | 14:30 | tutor1 & tutor2 | All |
| | 15:00 | Coffee (while you work) | |
| D2) | 16:30 | Report back on Lab and Day 2 lectures | All |
| | 17:30 | Finish (free night) | |

Day 3: Wednesday, May 11, 2005

- 8:15 Coffee and muffins
- 11) 8:30 Scoring (AUSGAB & IAUSFL & WATCH) Dave
tutor3 → tutor5
- 12) 9:30 Geometry: standard user-codes(HOWFAR) Blake
10:00 **Coffee (15 min)**
- L4) 10:15 tutor3 → tutor5 All
- 13) 11:45 DOSRZnrc and other NRC user-codes Jan
- 12:30 **Lunch (60 min)**
- 14) 13:30 GUI's for the NRC RZ User-Codes Ernesto
- 15) 13:45 Electron & Photon transport parameters Iwan
and cross section options (tutor6/7)
- L5) 14:45 tutor6 & tutor7 All
15:00 **Coffee** (while you work)
- D3) 16:30 Report back on Lab and Day 3 lectures All
17:30 **End of session**
- 19:00 Course Banquet (Courtyard Restaurant)

Day 4: Thursday, May 12, 2005

- 8:15 Coffee and muffins
- 16) 8:30 The general geometry package Iwan
- 17) 9:30 Examples with general geometry package Dave? or Declan?
10:00 **Coffee (15 min)**
- 18) 10:15 Running EGSnrc in a C-wrapper Iwan
- L7) 11:00 Using the general geometry package All
- 12:30 **Lunch (60 min)**
- 19) 13:30 EGSnrc benchmarks Iwan
- 20) 14:00 Using PEGS4 Dave
- 21) 14:20 Graphics/EGS.Windows Dave
- L8) 14:45 Geometry package(cont) + graphics All
15:00 **Coffee (during lab)**
17:30 **Finish**

Day 5: Friday, May 13, 2005

- 8:15 Coffee and muffins
- 22) 8:30 Variance Reduction Iwan
- 23) 9:15 Installing EGSnrc & course evaluations Dave
- 9:45 **Coffee (15 min)**
- 24) 10:00 EGSnrcMP on Windows Ernesto
- 25) 10:30 BEAM (for those interested) Dave
- L9) 11:00 Install EGSnrc & run DOSRZnrc

12:30 **Pizza and Beer**

13:30 —End of Course —