## Timetable of “Life and the Planet” 2012 Spring School

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|  | Date |  | | | | | | | | | |  | evening | |
| Fri. | 23rd | Field course in Dorset  Fieldtrip leader: Stuart Robinson | | | | | | Arrival and half day fieldtrip | | | | Introduction to the fieldtrip | | |
| Sat. | 24th | Fieldtrip | | | | discussion | | |
| Sun. | 25th | Fieldtrip | | | | Travel to Southampton | | |
|  |  | 9:15-10:00 | 10:00-10:45 | | 11:00-11:45 | 11:45-12:30 | LB1 | 13:15-14:00 | 14:00-14:45 | 15:00-15:45 | 15:45-16:30 | 4.30 to 6 | Supper2 | 7.30 to 9 pm |
| Mon. | 26th | Revolutions that made the Earth | | | Earth's climate record | Quantifying Palaeoclimate |  | Origins of modern biodiversity | Mass extinctions/events and recoveries | Disparity and comparative phylogenetics | Palaeoecological analysis | Poster session |  | student presentations |
| Tim Lenton | | | Graham Shields-Zhou | | Mike Benton | Richard Twitchett | Mike Benton | Richard Twitchett |
| Tue. | 27th | Land-Ocean Links | | Ocean Biogeochemistry | Observing the Oceans | Modelling the Oceans |  | Shelf Seas | Deep Seas | Ocean Technology | Sea and Society |  |  | 19:00-20:00 Introduction to Boat Activity |
| CEH Bridget Emmett BGS | | Mark Moore | Harry Bryden/  Richard Sanders | Andrew Yool/  Bob Marsh/  Kevin Oliver | Jeff Polton | Dan Jones/  Nina Rothe | Matt Mowlem  /Nefeli Tsaloglou | PML Mel Austen |
| Wed. | 28th | boat activity | | | | |  | Evolutionary history of the polar regions | | Quantification of the rock and fossil records: why the record matters | |  |  | free time |
| J. Alistair Crame | | Andrew Smith | |
| Thurs. | 29th | oceanography lab session | | | | |  | Water column redox proxies | | The ins and outs of reconstructing CO2 in the geological past | |  |  | General discussion |
| Rob Newton | | Gavin Foster | |
| Fri. | 30th | home | | | | | | | | | | | | |

1 Lunch break 45 min. 2 Evening meal 6 to 7.30pm Monday and Tuesday till 7pm

## Detailed Programme of the Fieldtrip of 23rd-25th March, 2012

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| **2012 Spring School Field Course** | | |
| Location: Dorset | | |
| Time: March 2012 | | |
| Fieldtrip Leader: | Stuart Robinson | |
| Contributors: | Graham Shields-Zhou | |
| Organiser: | Ying Shields-Zhou | |
| Accommodation: | Portland Heights Hotel | |
| Date | Itinerary and fieldtrip destination | thematic focus |
| 23rd, Friday | Arrival in Southampton Parkway Station at middle day. Drive off as a group from Southampton at **1pm!** Visit Durdle Door to have an overview of the regional geological stratigraphy and rock record. | General Overview of Dorset Geology |
| 24th, Saturday | Around Seatown and Charmouth (Belemnite Marls etc.) | Quantifying palaeoclimate in marine sediments (Recognition of orbital cycles and fossil proxies for palaeotemperature) |
| 25th. Sunday | The area around Lulworth Cove (fossil forest, Mupe Bay – possible Worbarrow)  After the fieldtrip, students will be driven to Holiday Inn Southampton | Palaeoenvironmental interpretations from terrestrial sediments (sedimentology, stratigraphy, isotope geochemistry, proxies for pCO2) |

\*The fieldtrip will be mostly research focus. Relevant papers will be sent to the students before the fieldtrip.