

| Code | Module ID | Week | Date | Day | Location | Times | Staff/overview | Necessary Skills | Briefing requirements |
|-------------|-----------|------|------------|------|----------------|---------------|-----------------------------------|---|---|
| SOS 1718 1 | OSX1005 | 9 | | Thur | Craig mair lab | 09:00-12:00 | Yueng-Djern Lenn | Numeracy and understanding of physical oceanography principles. | See Yueng for more information. |
| | | | | | | 13:00-16:00 | Temp salinity and density | | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 2 | OSX1005 | 12 | | Tue | Craig mair lab | 09:00-12:00 | Tom Rippeth | Maths & Oceanography | See Tom for more information. |
| | | | | | | | Maths/Oceanography | | |
| | | | | | | | (3 demonstrator required) | | |
| SOS 1718 3 | OSX1005 | 15 | | Tue | Craig mair lab | 13:00-16:00 | Tom Rippeth | Maths & Oceanography | See Tom for more information. |
| | | | | | | | Maths/Oceanography | | |
| | | | | | | | (3 demonstrator required) | | |
| SOS 1718 4 | OSX2003 | 5 | 26/09/2017 | Tues | Craig mair lab | 09:00 - 17:00 | Chris Richardson | Experience of mollusc dissection and knowledge of feeding strategies. | 15-20 minutes before the session |
| | | | | | | | Gastropod feeding | | more in depth training a few days before the session (30-60 mir |
| | | | | | | | (5 demonstrators required) | | more significant training (give details) |
| | | | | | | | | | |
| SOS 1719 5 | OSX2003 | 6 | 02/10/2017 | Mon | Craig mair lab | 09:00 - 17:00 | Michel Kaiser | Identification of polychete worms, Knowledge of feeding methods within this group. | 15-20 minutes before the session |
| | | | | | | | Polychaete Feeding | | more in depth training a few days before the session (30-60 mir |
| | | | | | | | (3 demonstrators required) | | more significant training (give details) |
| SOS 1718 6 | OSX2003 | 6 | 03/10/2017 | Tues | Craig mair lab | 09:00 - 10:00 | Andy Davies | Experience workin in saltmarsh environment, Understanding of saltmarsh ecology. | 15-20 minutes before the session |
| | | | | | field | 10:00 - 18:00 | Saltmarsh | | more in depth training a few days before the session (30-60 mir |
| | | | | | | | (4 demonstrators required) | | more significant training (give details) |
| | | | | | | | | | |
| SOS 1718 7 | OSX2003 | 11 | 07/11/2017 | Tues | Craig mair lab | 09:00 - 17:00 | Luis Gimenez | Understanding of crustacean morphology | 15-20 minutes before the session |
| | | | | | | | Crustacean morphology | | more in depth training a few days before the session (30-60 mir |
| | | | | | | | (4 demonstrators required) | | more significant training (give details) |
| SOS 1718 8 | OSX2003 | 13 | 20/11/2017 | Mon | Craig mair lab | 09:00 - 17:00 | Tom Cornwell | Working with Vernier calipers, Basic linear regression analysis, Experience with behaviour recording. | 15-20 minutes before the session |
| | | | | | | | Crab behaviour | | more in depth training a few days before the session (30-60 mir |
| | | | | | | | (4 demonstrators required) | | more significant training (give details) |
| SOS 1718 9 | OSX2003 | 14 | 28/11/2017 | Tues | Craig mair lab | 09:00-17:00 | Coleen Suckling | Identification of echinoderms and experience with dissection. | 15-20 minutes before the session |
| | | | | | | | Starfish vascular system | | more in depth training a few days before the session (30-60 mir |
| | | | | | | | (4 demonstrators required) | | more significant training (give details) |
| SOS 1718 10 | OSX2004 | 7 | 09/10/2017 | Mon | Craig mair lab | 09:00-12:00 | Tom Rippeth | | 15-20 minutes before the session |

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| | | | | | | Practical | | more in depth training a few days before the session (30-60 mir more significant training (specify)) |
| | | | | | | (2 demonstrators required) | | |
| SOS 1718 11 | OSX2004 | 7 | 11/10/2017 | Wed | WeldPC_002 | 09:00-12:00 | Mattias Green Heating and stirring (2 demonstrators required) | Matlab programming proficiency, tidal dynamics, having done the prac themselves. 15-20 minutes before the session more in depth training a few days before the session (30-60 mir more significant training (specify)) |
| SOS 1718 12 | OSX2004 | 7 | 12/10/2017 | Thur | ARTS_CR1 | 09:00-12:00 | Mattias Green heating and stirring (2 demonstrators required) | Matlab programming proficiency, tidal dynamics, having done the prac themselves. 15-20 minutes before the session more in depth training a few days before the session (30-60 mir more significant training (specify)) |
| SOS 1718 13 | OSX2004 | 12 | 16/11/2017 | Thur | Craig mair lab | 09:00-12:00 | Hilary Kennedy Manganese in estuarine waters (2 demonstrators required) | Understanding of fresh and salt water mixing, oxic/anoxic waters. Fluxes across sediment/water interface. See Hilary for more information. |
| SOS 1718 14 | OSX2004 | 13 | 22/11/2017 | Weds | Craig mair lab | 09:00-12:00 | Suzie Jackson/Colin Jago Sediment transfer (2 demonstrators required) | Knowledge of sediment dynamics and decent maths proficiency (minimum A- level). See Suzie/Colin for more information. |
| SOS 1718 15 | OSX2006 | 6 | 05/10/2017 | Thur | Craig mair lab | 09:00-12:00 | Mattias Green Tides in the Adriatic (2 demonstrator required) | See Mattias for more information. |
| SOS 1718 16 | OSX2006 | 7 | 13/10/2017 | Fri | Craig mair lab | 09:00-12:00 | Mattias Green Tides in the Menai strait (1 demonstrator required) | See Mattias for more information. |
| SOS 1718 17 | OSX2006 | 8 | 17/10/2017 | Tues | WhelPC_002/003 | 14:00-17:00 | Yuen-Djern Lenn Signal processing (2 demonstrators required) | Matlab programming proficiency. See Yueng for more information. |
| SOS 1718 18 | OSX2006 | 8 | 19/10/2017 | Thur | WhelPC_002/003 | 09:00-12:00 | Yuen-Djern Lenn Signal processing (2 demonstrators required) | Matlab programming proficiency. See Yueng for more information. |
| SOS 1718 19 | OSX2006 | 11 | 06/11/2017 | Mon | Craig mair lab | 09:00-12:00 | Hilary Kennedy Oxidation in thermal waters (2 demonstrators required) | Understand basics of thermohaline circulation and metal oxidation. See Hilary for more information. |
| SOS 1718 20 | OSX2006 | 13 | 23/11/2017 | Thur | Craig mair lab | 09:00-12:00 | Simon Neill Wave generation (2 demonstrators required) | knowledge of ocean waves and generally numerate (be able to manipulate the dispersion equation). See Simon for more information. |
| SOS 1718 21 | OSX2006 | 14 | 30/11/2017 | Thurs | Craig mair lab | 09:00-12:00 | Simon Neill Refraction (2 demonstrators required) | knowledge of ocean waves and generally numerate (understand wave refraction). See Simon for more information. |
| SOS 1718 22 | OSX2007 | 9 | 29/10/2017 | Sun | Prince Madog | 09:00-18:00 | Simon Neill | a. Previous cruise experience |

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| SOS 1718 23 | OSX2007 | 10 | 30/10/2017 | Mon | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | b. Experience with filtering SPM or Chlorophyll c. Experience with deploying trongo net or d. Experience with sediment grab 15-20 minutes before the session. More in depth training a few days before the session (30-60 mins). more significant training (give details) | |
| SOS 1718 24 | OSX2007 | 10 | 31//10/17 | Tue | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 25 | OSX2007 | 10 | 01/11/2017 | Wed | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 26 | OSX2007 | 10 | 02/11/2017 | Thur | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 27 | OSX2007 | 10 | 03/11/2017 | Fri | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 28 | OSX2007 | 10 | 04/11/2017 | Sat | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 29 | OSX2007 | 10 | 05/11/2017 | Sun | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 30 | OSX2007 | 11 | 06/11/2017 | Mon | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 31 | OSX2007 | 11 | 07/11/2017 | Tue | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 32 | OSX2007 | 11 | 08/11/2017 | Wed | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 33 | OSX2007 | 11 | 09/11/2017 | Thur | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 34 | OSX2007 | 11 | 10/11/2017 | Fri | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| sos 1718 35 | OSX2007 | 11 | 11/11/2017 | Sat | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 36 | OSX2007 | 11 | 12/11/2017 | Sun | Prince Madog | 08:00-17:00 | Prince Madog Cruises Simon Neill | | |
| SOS 1718 37 | OSX2009 | 7 | 10/10/2017 | Tue | Field | 08:00-17:00 | Andy Davis Rocky shore trip (4 demonstrators required) | | Basic marine taxonomy, quadrat survey, keys, graphing and data analysis. See Andy for more information. |
| SOS 1718 38 | OSX2009 | 15 | 05/12/2017 | Tue | WhelPC_002/003 | 09:00-12:00 13:00-16:00 | Gareth Williams Computer practical (4 demonstrators required) | | Previous experience with R. See Gareth for more information. |
| SOS 1718 39 | OSX2011 | 7 | 10/10/2017 | Tue | Field | 09:00-18:00 | Lynda Yorke/Margot Saher Ice & Oceans excursion (1 demonstrator required) | | Geoscience PhD student preferable. See Margot/Lynda for more information. |
| SOS 1718 40 | OSX3003 | 6 | 03/10/2017 | Tue | Bangor harbour | 09:00-17:00 | James Waggit Behavioural obs (3 demonstrators required) | | Familiarity with behaviour observations and shore-work. Meeting on main campus 15 minutes prior to session. A brief 10 minute meeting on the day before the session will be arranged |

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| SOS 1718 41 | OSX3003 | 11 | 10/11/2017 | Fri | hgel Bay/Mountain z | 09:00-17:00 | James Waggit | Familiarity with behaviour observations and shore-work. | Meeting on main campus 15 minutes prior to session. A brief 10 minute meeting on the day before the session will be arranged. |
| | | | | | | | Behavioural obs | | |
| | | | | | | | (3 demonstrators required) | | |
| SOS 1718 42 | OSX3003 | 12 | 16/10/2017 | Thur | ARTS_CR1 | 14:00-16:00 | James Waggit | Familiarity with ArcGIS. | Meeting 10 minutes before the session. An hour is needed to run through the workshop to become familiar with analytical approaches and datasets. |
| | | | | | | | Animalmovement (ArcGIS) | | |
| | | | | | | | (3 demonstrators required) | | |
| SOS 1718 43 | OSX3003 | 12 | 17/11/2017 | Fri | WhelPC_002 | 16:00-18:00 | James Waggit | Familiarity with ArcGIS. | Meeting 10 minutes before the session. An hour is needed to run through the workshop to become familiar with analytical approaches and datasets. |
| | | | | | | | Animalmovement (ArcGIS) | | |
| | | | | | | | (3 demonstrators required) | | |
| SOS 1718 44 | OSX3003 | 13 | 23/11/2017 | Thur | ARTS_CR1 | 16:00-18:00 | James Waggit | Familiarity with ArcGIS. | Meeting 10 minutes before the session. An hour is needed to run through the workshop to become familiar with analytical approaches and datasets. |
| | | | | | | | Animalmovement (ArcGIS) | | |
| | | | | | | | (3 demonstrators required) | | |
| SOS 1718 45 | OSX3003 | 13 | 24/11/2017 | Fri | WhelPC_002 | 16:00-18:00 | James Waggit | Familiarity with ArcGIS. | Meeting 10 minutes before the session. An hour is needed to run through the workshop to become familiar with analytical approaches and datasets. |
| | | | | | | | Animalmovement (ArcGIS) | | |
| | | | | | | | (3 demonstrators required) | | |
| SOS 1718 46 | OSX3005 | 8 | 18/10/2017 | Wed | AD_035 | 09:00-12:00 | Simon Neill | Matlab experience. Understanding of tides. | See Simon for more information. |
| | | | | | | | Computer practical | | |
| | | | | | | | (1 demonstrator required) | | |
| SOS 1718 47 | OSX3005 | 11 | 06/11/2017 | Mon | Craig mair lab | 14:00-17:00 | Hilary Kennedy | Understand basics of oxidation of organic matter, sediment pore water profiles, stoichiometry. | See Hilary for more information. |
| | | | | | | | Fish farming | | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 48 | OSX3005 | 11 | 08/11/2017 | Wed | Craig mair lab | 09:00-12:00 | Hilary Kennedy | Understand basics of oxidation of organic matter, sediment pore water profiles, stoichiometry. | See Hilary for more information. |
| | | | | | | | Fish farming | | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 49 | OSX3007 | 7 | 11/10/2017 | Wed | | 09:00-13:00 | Suzie Jackson | Matlab programming proficiency, good communication. | See Suzie for more information. |
| | | | | | | | Computer session | | |
| | | | | | | | (1 demonstrator required) | | |
| SOS 1718 50 | OSX3018 | 7 | 09/10/2017 | Mon | WhelPC_003 | 13:00-15:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 51 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 52 | OSX3018 | 7 | 13/10/2017 | Fri | AD_035 | 15:00-17:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 53 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 54 | OSX3018 | 8 | 19/10/2017 | Thur | AD_035 | 11:00-13:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 55 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 56 | OSX3018 | 8 | 20/10/2017 | Fri | Thod_F8 | 14:00-16:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 57 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |

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| SOS 1718 58 | OSX3018 | 9 | 25/10/2017 | Wed | AD_035 | 09:00-11:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 59 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 60 | OSX3018 | 9 | 26/10/2017 | Thur | AD_035 | 09:00-11:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 61 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 62 | OSX3018 | 11 | 06/11/2017 | Mon | AD_035 | 13:00-15:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 63 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 64 | OSX3018 | 11 | 07/11/2017 | Tues | AD_035 | 09:00-11:00 | Mattias Green | Matlab programming proficiency. | See Mattias for more information. |
| SOS 1718 65 | OSX4010 | | | | | | Matlab practical | Previous experience with practical is desirable. | |
| | | | | | | | (2 demonstrator required) | | |
| SOS 1718 66 | OSX3012 | 11 | 09/11/2017 | Thur | Craig mair lab | 13:00-18:00 | Margot saher | Micropalaeontology expertise. | See Margot for more information. |
| | | | | | | | Palaeoceanography practical | | |
| | | | | | | | (1 demonstrator required) | | |
| SOS 1718 67 | OSX3020 | 7 | 10/10/2017 | Tues | Craig mair lab | 09:00-17:00 | Gareth Williams | Some experience dissecting fishes General fish anatomy, particularly the head. | See Gareth for more information. |
| | | | | | | | Sensory ecology of sharks | | |
| | | | | | | | (4 demonstrators required) | | |
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| SOS 1718 68 | ONS4004 | 5 | 29/09/2017 | Fri | WhelPC_002/003 | 09:00-18:00 | Jenny Shepperson | Familiarity with R. | Meeting ten minutes prior to the session. An hour is required to read through the information in order to familiarise yourself with the analytical approaches and datasets. |
| | | | | | | | Introduction to R | | |
| | | | | | | | (4 demonstrators required) | | |
| SOS 1718 69 | ONS4004 | 6 | 06/10/2017 | Fri | WhelPC_002/003 | 09:00-15:00 | Jenny Shepperson | Familiarity with R. | Meeting ten minutes prior to the session. An hour is required to read through the information in order to familiarise yourself with the analytical approaches and datasets. |
| | | | | | | | Introduction to R | | |
| | | | | | | | (4 demonstrators required) | | |
| SOS 1718 70 | ONS4004 | 7 | 13/10/2017 | Fri | WhelPC_002/003 | 09:00-14:00 | James Waggit | Familiarity with R and general linear models. | Meeting ten minutes prior to the session. An hour is required to read through the information in order to familiarise yourself with the analytical approaches and datasets. |
| | | | | | | | Stats - R & GLM | | |
| | | | | | | | (4 demonstrators required) | | |
| SOS 1718 71 | ONS4004 | 8 | 16/10/2017 | Mon | WhelPC_002/003 | 12:00-18:00 | James Waggit | Familiarity with R and general linear models. | Meeting ten minutes prior to the session. An hour is required to read through the information in order to familiarise yourself with the analytical approaches and datasets. |
| | | | | | | | Stats - R & GLM | | |
| | | | | | | | (4 demonstrators required) | | |
| SOS 1718 72 | ONS4004 | 9 | 24/10/2017 | Tue | WhelPC_002/003 | 09:00-18:00 | Gareth Williams | Familiarity with R. | Meeting ten minutes prior to the session. An hour is required to read through the information in order to familiarise yourself with the analytical approaches and datasets. |
| | | | | | | | Modelling | | |
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