

BL4262 Environmental Drivers of Marine Habitats

(BL4262 online module handbook version 48)

Credits: 15

Semester: 1

Module Organiser

Dr Lars Boehme

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Pre-requisite Modules:

Permission of Biology

Honours Adviser required

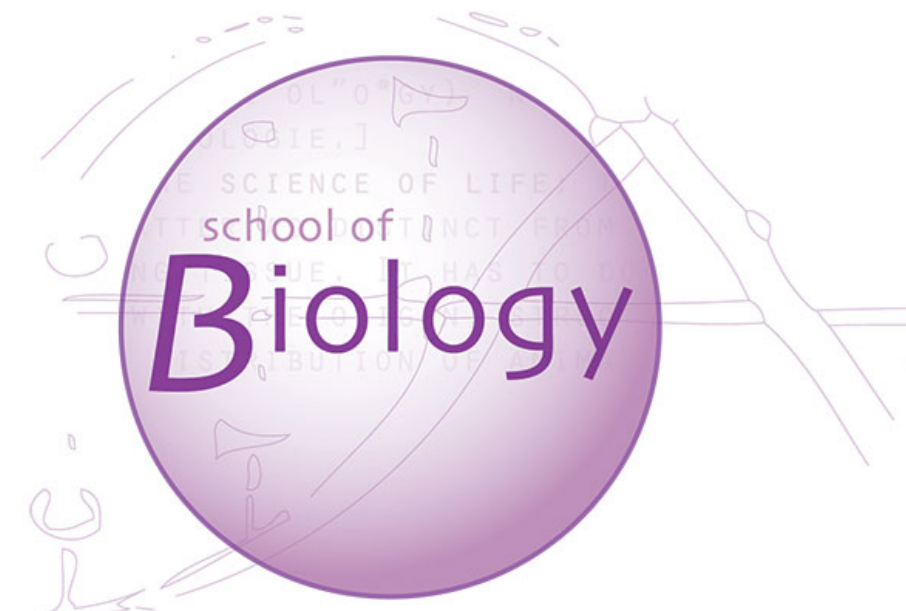
Anti-requisite Modules:

Post-requisite Modules:

Additional Module

Information:

[Please check MMS regularly for additional module information](#)



This module aims to give a broad overview of the different environmental drivers of marine ecosystems. Shorter term processes in the ocean and atmosphere as well climate define marine habitats and a series of lectures will be provided to assure that students have the broad background required to tackle primary literature in this field and can apply their knowledge within different fields of marine science.

[BL4262View content for BL4262 \(2023/4\) in the Module Management System \(MMS\)](#)

[View the current Biology Online Module Catalogue for BL4262](#)

[BL4262View BL4262 \(2023/4\) in the University of St Andrews Module Catalogue](#)

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BL4262: Timetable

Legend (not all modules have every event type):

lecture	tutorial	workshop	practical	other
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Semester 1: Week 1

DATE & TIME	VENUE	STAFF	EVENT
Monday 11-09-2023 11:00 to 13:00	Scottish Oceans Institute SOI Lecture Theatre	Dr Lars Boehme -	Lecture L1: Introduction and History 2023-4_BL4262_L1
Thursday 14-09-2023 14:00 to 16:00	Scottish Oceans Institute SOI Corner Room	Dr Lars Boehme -	Lecture L2: Properties of Seawater; Heat Budget 2023-4_BL4262_L2

Semester 1: Week 2

DATE & TIME	VENUE	STAFF	EVENT
Monday 18-09-2023 11:00 to 13:00	Scottish Oceans Institute SOI Lecture Theatre	Dr Lars Boehme -	Lecture L3: Equations of Motion, Upper and Deep Ocean 2023-4_BL4262_L3
Thursday 21-09-2023 14:00 to 16:00	Scottish Oceans Institute SOI Corner Room	Dr Lars Boehme -	Lecture L4: Ocean Waves and Tides 2023-4_BL4262_L4

Semester 1: Week 3

DATE & TIME	VENUE	STAFF	EVENT
Monday 25-09-2023 11:00 to 13:00	Scottish Oceans Institute SOI Lecture Theatre	Dr Guilherme A. Bortolotto -	Lecture L5: Marine Ecology 2023-4_BL4262_L5
Thursday 28-09-2023 14:00 to 16:00	Scottish Oceans Institute SOI Lecture Theatre	Dr Lars Boehme -	Lecture L6: Primary Production and the Spring Bloom 2023-4_BL4262_L6

Semester 1: Week 4

DATE & TIME	VENUE	STAFF	EVENT
Monday 02-10-2023 11:00 to 13:00	Scottish Oceans Institute SOI Lecture Theatre	Dr Lars Boehme -	Lecture L7: Regional Oceanography 2023-4_BL4262_L7
Thursday 05-10-2023 14:00 to 16:00	Scottish Oceans Institute SOI Lecture Theatre	Prof Patrick Miller -	Lecture L8: Polar Oceanography 2023-4_BL4262_L8

Semester 1: Week 5

DATE & TIME	VENUE	STAFF	EVENT
Monday 09-10-2023 11:00 to 13:00	Scottish Oceans Institute SOI Lecture Theatre	Dr Lars Boehme -	Lecture L9: Numerical Modelling 2023-4_BL4262_L9
Thursday 12-10-2023 14:00 to 16:00	Scottish Oceans Institute SOI Lecture Theatre	Dr Lars Boehme -	Lecture L10: Climate Change 2023-4_BL4262_L10

BL4262: Reading List

[BL4262Click for BL4262 reading list](#)

BL4262: Assessment

Coursework = 100%

[BL4262View coursework assessment details for BL4262 \(2023/4\) in MMS](#)

The following related information applies to all Biology modules:

School of Biology Marking Criteria:	See JH booklet info (st-andrews.ac.uk)
Late submission of continuous assessment work:	All late submissions of coursework that do not require electronic submission should be made via the Biology Teaching Office, Level 2, BMS Building, North Haugh.
Exam details:	See School of Biology UG Handbook JH booklet info (st-andrews.ac.uk) : All Biology exams will be conducted online for 2022-23.
Exam timetable:	See Timetables - Exams - University of St Andrews (st-andrews.ac.uk)
Expected attendance:	See JH booklet info (st-andrews.ac.uk) for detailed attendance requirements.
Good Academic Practice & Avoiding Academic Misconduct:	See JH booklet info (st-andrews.ac.uk)
University Student Handbook:	University Student Handbook
School and University regulations in the School and University Undergraduate Handbook relating to absence reporting, penalties and rules for late submission of work, extensions for coursework, return of coursework, S-coding, good academic practice and Academic Alerts.:	JH booklet info (st-andrews.ac.uk) University Student Handbook

Who to ask

(Information in this section applies to all Biology Modules)

Before contacting staff, students should check the content of the Biology Undergraduate Handbook, the module handbook and specific task instructions.

Questions about

General teaching matters
Rescheduled or cancelled events
Lecture or practical content
Completing assessed practical assignments
Completing assessments
Marking on continuous assessment
Marking on exams
Rearranging practical days
Absence and/or extensions
Difficulties with academic progress which impact more than one module:
Overall performance, progress or future directions:
Disability:
For advice and support on any issue e.g. academic, financial, international, personal or health matters, or if you are unsure of who to go to for help:

University assistance with urgent matters out of office hours:

Contact

Biology Teaching Office (bioteach@st-andrews.ac.uk)
Check your University email
The lecturer who presented the material
The lecturer who set the assignment
Module Organiser ([Dr Lars Boehme Ib284@st-andrews.ac.uk](mailto:DrLarsBoehmeIb284@st-andrews.ac.uk))
The Demonstrator or Module Organiser ([Dr Lars Boehme Ib284@st-andrews.ac.uk](mailto:DrLarsBoehmeIb284@st-andrews.ac.uk))
Module Organiser ([Dr Lars Boehme Ib284@st-andrews.ac.uk](mailto:DrLarsBoehmeIb284@st-andrews.ac.uk))
Module Organiser ([Dr Lars Boehme Ib284@st-andrews.ac.uk](mailto:DrLarsBoehmeIb284@st-andrews.ac.uk))
Module Organiser ([Dr Lars Boehme Ib284@st-andrews.ac.uk](mailto:DrLarsBoehmeIb284@st-andrews.ac.uk)) **and** the Biology Teaching Office (bioteach@st-andrews.ac.uk)
Year Coordinator
See School of Biology UG Handbook for list: [JH booklet info \(st-andrews.ac.uk\)](http://www.st-andrews.ac.uk/jhbookletinfo)
Advisor of Studies
Disability Coordinator (biodisabilities@st-andrews.ac.uk)
Advice & Support Centre
Address: 79 North Street, St Andrews
Email: theasc@st-andrews.ac.uk
Web: <https://www.standrews.ac.uk/ask-a-question/>
Tel: 01334 462020
Tel: 01334 476161
Web: <https://www.st-andrews.ac.uk/students/advice/counselling/incrisis/>

Biology Teaching Office:

We are happy to hear from you about teaching matters. The School of Biology Teaching Office is open Monday to Friday 09.00 - 13.00 and 14.00 - 17.00. School of Biology staff will respond to your emails during these hours. Our team will provide a response to you within three working days.

Biology Teaching Office (Level 2), University of St Andrews, Biomolecular Sciences Building, North Haugh, St Andrews, Fife KY16 9ST

Email: bioteach@st-andrews.ac.uk

Tel: 01334 46 3602 or 3566

BL4262: Contributing Staff

[Dr Lars Boehme](#)
(Module Organiser)

Reader

LB284@st-andrews.ac.uk

[Dr Lars Boehme](#)
(Module Organiser)

Reader

LB284@st-andrews.ac.uk

[Dr Guilherme A. Bortolotto](#)

Research Fellow in Polar Marine
Ecology

gabdo@st-andrews.ac.uk

[Prof Patrick Miller](#)

Professor

pm29@st-andrews.ac.uk

BL4262: Learning Outcomes

Students completing module BL4262 successfully should be able to:

- This module aims to provide a focused introduction to different environmental drivers of marine ecosystems, integrating and synthesizing some material presented in JH modules, esp in Aquatic Ecology.
- While there will be some lecture material, we will expect you to actively take part in an exploration of the literature and present what you find to the class.

BL4262: Acquired Skills

Practical Skills

Transferable Skills

- Group discussion - participating
- Short individual presentation on given topic (up to 15 min)
- Critically evaluating sources/information
- Finding information on the web
- Finding literature
- Referencing
- Sourcing figures/tables
- Calculations/equations
- Other mathematical models
- Powers of ten
- Scaling
- SI units

Policies

(Information in this section applies to all Biology Modules)

- The procedures and regulations followed by the School of Biology are outlined in the [University Handbook](#) and in the School of Biology UG handbook [JH booklet info \(st-andrews.ac.uk\)](#)
- All coursework associated with the module must be completed and submitted by its due date.
- Specific School regulations relating to absence reporting, penalties and rules for late submission of work, extensions for coursework, return of coursework, S-coding, Good Academic Practice and Academic Alert are stated in the School of Biology UG handbook [JH booklet info \(st-andrews.ac.uk\)](#) and students are required to carefully read these regulations.
- Students are also referred to the University Handbook, available at: <http://www.st-andrews.ac.uk/studenthandbook/>