



## *BI-1425 Evolution & Ecology for Animal Science Students (and other amazing people) 7,5 credits*

---

**Jan 2024 - May 2024**

*Schedule updated 15 December 2023*

Course Leader: **Matt Low** [matt.low@slu.se](mailto:matt.low@slu.se)

### How are you expected to interact with this course?

This course is designed for you to interact with the material at a time that suits you best, and that you can do in parallel with other courses or work. I realise you are all busy people with lots of things to do and learn. So my emphasis is to give you an understanding of some key concepts and ideas central to evolution and ecology to get you to start thinking and seeing the world in new ways.

To do this, once per week across 12 weeks we will have a live 2-2.5 hour lecture **on zoom** with some in-class discussions (on a Wednesday or Thursday afternoon between 13-15:30). This lecture will be simultaneously recorded and uploaded, so if you miss the ‘live’ lecture you can watch the recording afterwards (or rewatch it if you would like to see something again). The course will be divided into 3 modules (4 weeks each with a couple of weeks break between modules) and you will have to complete a short written assignment at the end of each module. These assignments are to get you to start thinking about how to apply new ideas into your current studies or work, rather than ‘testing’ you to see what you know. My philosophy is that this course is to help you in your future work, and that you will get out of it what you put in. So engage and enjoy and see if it takes your thinking somewhere new :). See you in class and in canvas!

### **Zoom link for all lectures**

Matthew Low is inviting you to a scheduled Zoom meeting.

Topic: BI1425 Zoom class meetings

Time: This is a recurring meeting

Join Zoom Meeting

<https://slu-se.zoom.us/j/61164204835>

Meeting ID: 611 6420 4835

Passcode: 837527

| Date                                | Time                    | Lecture                                      |
|-------------------------------------|-------------------------|--|
| Monday <b>15</b> January            | 9:00 - 10:00            | Course Introduction                          |
| <u>Module 1</u> : Selection         |                         |  |
| Wednesday <b>17</b> January         | 13:00 - 15:30           | Natural Selection                            |
| <u>Thursday</u> <b>25</b> January   | 13:00 - 15:30           | Sexual Selection                             |
| Wednesday <b>31</b> January         | 13:00 - 15:30           | Artificial Selection & Domestication         |
| <u>Thursday</u> <b>8</b> February   | 13:00 - 15:30           | Cultural Selection & Meme Theory             |
| February <b>28</b>                  | <b>Assignment 1 due</b> |  |
|                                     |                         |  |
| <u>Module 2</u> : Ecology           |                         |  |
| Wednesday <b>6</b> March            | 13:00 - 15:30           | Genetics (the fun bits)                      |
| Wednesday <b>13</b> March           | 13:00 - 15:30           | Behavioural Ecology                          |
| Wednesday <b>20</b> March           | 13:00 - 15:30           | Comparative Morphology                       |
| Wednesday <b>27</b> March           | 13:00 - 15:30           | Ecology (some basic concepts)                |
| April <b>17</b>                     | <b>Assignment 2 due</b> |  |
|                                     |                         |  |
| <u>Module 3</u> : Medicine & Health |                         |  |
| <u>Thursday</u> <b>25</b> April     | 13:00 - 15:30           | Evolutionary Medicine                        |
| <u>Thursday</u> <b>2</b> May        | 13:00 - 15:30           | One Health & Ecohealth                       |
| Wednesday <b>8</b> May              | 13:00 - 15:30           | Invasive Domestic Species                    |
| Wednesday <b>15</b> May             | 13:00 - 15:30           | Animal Welfare (an evolutionary perspective) |
| May <b>31</b>                       | <b>Assignment 3 due</b> |  |