

**Course timetable**

| <b>Date</b>       | <b>AM Activity</b>   | <b>PM Activity</b>   |
|-------------------|--|--|
| Tuesday 21 July   | Travel to Antofagasta  | 17:00 Welcome and ice breaker (Instituto de Antofagasta)   |
| Wednesday 22 July | <p>9:00 Introduction to course &amp; speakers. Introduction to Journal club –outline of mini-group project</p> <p>9:30 Introduction to course delegates (short presentation of 5 minutes per person)</p> <p>10:30 Lecture 1: Theory of stable isotope analysis</p> | <p>12:00 - 13:00 Lunch</p> <p>13:00 - 18:00 Data practical 1: Preparation of stable isotope data for analysis</p> <p>Laboratory practical 1: Sample collection and preparation.</p> <p>Coffee break 15:30 - 16:00</p>  |
| Thursday 23 July  | <p>9:00 Lecture 2: Biogeochemical and geographical drivers of isotopic variation</p> <p>10:30 Lecture 3: Individual drivers of isotopic variation</p>  | <p>12:00 - 13:00 Lunch</p> <p>13:00 Data practical 2: Statistical analysis of isotopic variation between individuals and groups</p> <p>15:30 - 16:00 Coffee break</p> <p>16:00 - 18:00 Data Practical 3: Going from isotope data to ecological information 1 (estimating trophic position)</p> |
| Friday 24 July    | <p>9:00 Lecture 4: Using stable isotopes to understand consumer diet and habitat use I</p> <p>10:30 Lecture 5: Using stable isotopes to understand consumer diet and habitat use II</p>  | <p>12:00 - 13:00 Lunch</p> <p>13:00 Data Practical 4: Simple mixing models</p> <p>15:30 - 16:00 Coffee break</p> <p>16:00 - 18:00 Data Practical 5: More complex mixing models: SIAR</p>   |

HarrodLab course Aquatic stable isotope ecology: theory & practice: 21-26 July 2015

| <b>Date</b>      | <b>AM Activity</b>  | <b>PM Activity</b>  |
|------------------|---|---|
| Saturday 25 July | <p>9:00 Lecture 6: Putting it all together – tips (and pitfalls) for writing an isotope ecology paper</p> <p>10:00 Journal Club: IsoGroup presentations – Groups present their critical reviews of key isotope ecology papers</p> | <p>12:00 - 13:00 Lunch</p> <p>13:00 Data Practical 6: More complex mixing models: MixSIAR</p> <p>15:30 - 16:00 Coffee break</p> <p>16:00 - 18:00 Data Practical 7: Estimating isotopic niche width with SIBER</p> |
| Sunday 26 July   | <p>9:00 Show us your data: interactive workshop on student isotope data</p>   | <p>12:00 - 13:00 Lunch</p> <p>13:00 Show us your data 2: interactive workshop on student isotope data</p> <p>15:30 - 16:00 Coffee break</p> <p>18:00 Course ends!</p>   |