

2018-2019 CENTRE FOR FRESHWATER ECOSYSTEMS STUDENT CADETSHIP PROGRAM

Centre for Freshwater Ecosystems (CFE) brings together a wealth of expertise from a range of disciplines to understand and solve significant challenges to support the sustainable management of freshwater ecosystems. The Centre has well-established lab facilities in Albury-Wodonga and Mildura, and benefits from strong internal links across the University's other campuses in Melbourne, Bendigo and Shepparton, as well as a range of other collaborators. The Centre's work directly supports decision-making regarding maintenance and restoration of the long-term health of rivers, catchments, floodplains and wetlands.

For more information, go to: latrobe.edu.au/freshwater-ecosystems

Role Overview:	<p>Students will be given the following project to complete Examination of the relationship between food density, temperature and early-life stage growth of Golden perch</p> <p>Rapid growth is believed to be a key factor in the survival of fish larvae. Growth rates are influenced by a variety of biotic and abiotic factors, including environmental conditions, genetics and maternal contribution. Of the abiotic factors, food availability and temperature are thought to be the main determinants of growth. Temperature affects growth rates directly, influencing metabolic rates, the duration of developmental stages, feeding and digestion rates, and indirectly by influencing the timing of production and availability of prey. A number of studies in marine environments have examined the relationship between temperature and the growth of larvae and correlations have been found between water temperature and recruitment success. For freshwater species, information regarding growth rate in relation to food availability and temperature is sparser and for MDB fish species there has only been one study, examining the relationship between larval growth and food and temperature (Tonkin et al., 2008). This study examined growth rates of Australian smelt at two temperatures and three food densities. This project will experimentally examine the relationship between food density and temperature on the growth and survival of the early life-stages of Golden perch.</p> <p>Students will be required to submit a written, bound report and prepare a seminar presentation.</p>
Role Requirements:	<p>The cadetship is available to La Trobe University undergraduate science students who are about to complete their second or third year and are interested in pursuing a career in freshwater ecosystems.</p> <p>Successful applicants must obtain a Working with Children Check. Reimbursement for successful applications can be provided by the Centre upon receipt of payment.</p>
Other requirements:	<p>Applicants are required to be <u>full-time students</u> in order to receive the stipend. If you have a query regarding your eligibility, please contact the Rosie Busuttill.</p> <p>If you are an international student, it is your responsibility to seek advice from La Trobe University International relating to any potential visa restrictions prohibiting you undertaking this cadetship.</p>
Location:	One placement located at Albury-Wodonga.
Duration:	Approximate duration of most projects are between 8 to 10 weeks over the summer vacation period (end of November 2018 to mid-February 2019)
Commencing:	This advertised project will commence at the beginning of December 2018 or as negotiated (Christmas Closure from 24 December to 2 January 2019)
Payment:	Scholarship of \$450 per week
Accommodation	Successful students will be entitled to an accommodation subsidy up to \$135 per week. Terms and Conditions apply

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Transport	Successful students will be entitled to a travel subsidy of up to \$500. Terms and Conditions apply	
Positions available:	One placement in Albury-Wodonga	Applications Due: 26 October 2018
Applications:	<p>Applicants are required to submit a cover letter, a copy of their current resume, copy of driver's licence and their unofficial academic transcript (available from student online). The cover letter must address the following:</p> <ul style="list-style-type: none"> • Why you would like to undertake a cadetship with the CFE. • What you would hope to gain by doing a cadetship • Your areas of interest related to freshwater sciences • Willingness to be based at Albury-Wodonga • Ability to undertake physical work <p>Cover Letters should be kept to 2 pages.</p> <p>If assistance is required, please contact La Trobe's Career Development Centre.</p> <p>All applications should be submitted to Rosie Busuttil via email at r.busuttil@latrobe.edu.au</p>	
Enquires:	Rosie Busuttil P: 02 6024 9690 E: r.busuttil@latrobe.edu.au	