

FSHN4001: Research Methodologies

Ourimbah

Semester 1 - 2024



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

OVERVIEW

Course Description	Research Methodologies forms part of the Honours Program in Food Science and Human Nutrition. This course covers advanced approaches to research methodology, with relevance to Honours projects undertaken by students at the 4000 level. Students enrolled in this course will explore contemporary perspectives in Food Science and Human Nutrition research and focus specifically on; developing research skills; formulating research proposals; framing research questions; reviewing existing research; and choosing appropriate methodologies for different types of study. Methodologies are examined in the context of their application to their project (and associated research grouping), such as Food Safety, Development and Microbiology, Biomedical Science, Biochemistry, and Biology.
Academic Progress Requirements	Nil
Contact Hours	Ourimbah Workshop Face to Face On Campus 2 hour(s) per term
Unit Weighting	20
Workload	Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10 unit course.

COURSE OUTLINE

CONTACTS

Course Coordinator	Ourimbah Dr Penta Pristijono Penta.Pristijono@newcastle.edu.au (02) 43494783 Consultation: By appointment.
Teaching Staff	Other teaching staff will be advised on the course Canvas site.
School Office	School of Environmental and Life Sciences SO-104 Science Offices OURIMBAH CESE-SELS@newcastle.edu.au (02) 4349 4568 / 4348 4115 9am-5pm (Mon-Fri)

SYLLABUS

Course Content	<ul style="list-style-type: none">Identify literature relevant to field of study, analyse key themes, evaluate arguments/evidence within literature, provide a rationale for the inclusion of research materials, identify limitations, formulate research questions, and identify appropriate methodology.Establish research topic, identify relevant literature, formulate research question, undertake a literature review, design appropriate research methodology, and formulate a research proposal.
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Course Learning Outcomes	<p>On successful completion of this course, students will be able to:</p> <ol style="list-style-type: none">Apply discipline specific theoretical and practical research skills.Demonstrate skills in information searching, selection, retrieval, and interpretation.Identify appropriate methods of quantitative and/or qualitative data collection as relevant to the research project undertaken.Design and develop a structured research plan using cognitive skills and critical thinking.Interpret, summarise, and synthesise the literature of academic and professional literature.
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ASSESSMENTS

This course has 2 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Literature Review	Friday, Week 11	Individual	40%	1, 2, 3, 4, 5
2	Project Proposal	Friday, Week 11	Individual	60%	1, 2, 3, 4, 5

Late Submissions	The mark for an assessment item submitted after the designated time on the due date, without an approved extension of time, will be reduced by 10% of the possible maximum mark for that assessment item for each day or part day that the assessment item is late. Note: this applies equally to week and weekend days.
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Assessment 1 - Literature Review

Assessment Type	Literature Review
Description	Student requires to prepare a critical review of the scientific literature in their field of research and propose their project demonstrating how the research question addresses a gap in the current knowledge.
Weighting	40%
Due Date	Friday, Week 11
Submission Method	Online
Assessment Criteria	Students will be assessed on format style and quality of their report. Details of criteria refer to the FSHN Honours information booklet
Return Method	Online
Feedback Provided	Online - Three weeks after submission.
Opportunity to Reattempt	Students WILL NOT be given the opportunity to reattempt this assessment.

Assessment 2 - Project Proposal

Assessment Type	Proposal / Plan
Description	Student requires to prepare a project proposal outlining the background, research question, key objectives of their research, methods and work plan.
Weighting	60%
Due Date	Friday, Week 11
Submission Method	Online
Assessment Criteria	Students will be assessed on format style and quality of their project proposal. Details of criteria refer to the FSHN Honours information booklet.
Return Method	Online
Feedback Provided	Online - Three weeks after submission.
Opportunity to Reattempt	Students WILL NOT be given the opportunity to reattempt this assessment.

ADDITIONAL INFORMATION

Grading Scheme

This course is graded as follows:

Range of Marks	Grade	Description
85-100	High Distinction (HD)	Outstanding standard indicating comprehensive knowledge and understanding of the relevant materials; demonstration of an outstanding level of academic achievement; mastery of skills*; and achievement of all assessment objectives.
75-84	Distinction (D)	Excellent standard indicating a very high level of knowledge and understanding of the relevant materials; demonstration of a very high level of academic ability; sound development of skills*; and achievement of all assessment objectives.
65-74	Credit (C)	Good standard indicating a high level of knowledge and understanding of the relevant materials; demonstration of a high level of academic achievement; reasonable development of skills*; and achievement of all learning outcomes.
50-64	Pass (P)	Satisfactory standard indicating an adequate knowledge and understanding of the relevant materials; demonstration of an adequate level of academic achievement; satisfactory development of skills*; and achievement of all learning outcomes.
0-49	Fail (FF)	Failure to satisfactorily achieve learning outcomes. If all compulsory course components are not completed the mark will be zero. A fail grade may also be awarded following disciplinary action.

*Skills are those identified for the purposes of assessment task(s).

Communication

Communication methods used in this course include:

Methods	<ul style="list-style-type: none">- Canvas Course Site: Students will receive communications via the posting of content or announcements on the Canvas course site.- Email: Students will receive communications via their student email account.- Face to Face: Communication will be provided via face to face meetings or supervision.
Course Evaluation	Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.
Oral Interviews (Vivas)	As part of the evaluation process of any assessment item in this course an oral examination (viva) may be conducted. The purpose of the oral examination is to verify the authorship of the material submitted in response to the assessment task. The oral examination will be conducted in accordance with the principles set out in the Oral Examination (viva) Procedure . In cases where the oral examination reveals the assessment item may not be the student's own work the case will be dealt with under the Student Conduct Rule .
Academic Misconduct	All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. For the Student Academic Integrity Policy, refer to https://policies.newcastle.edu.au/document/view-current.php?id=35 .
Adverse Circumstances	<p>The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for special consideration due to adverse circumstances will be made using the online Adverse Circumstances system where:</p> <ol style="list-style-type: none">1. the assessment item is a major assessment item; or2. the assessment item is a minor assessment item and the Course Co-ordinator has specified in the Course Outline that students may apply the online Adverse Circumstances system;3. you are requesting a change of placement; or4. the course has a compulsory attendance requirement. <p>Before applying you must refer to the Adverse Circumstance Affecting Assessment Items Procedure available at https://policies.newcastle.edu.au/document/view-current.php?id=236</p>
Important Policy Information	The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the policies and procedures at https://www.newcastle.edu.au/current-students/respect-at-uni/policies-and-procedures that support a safe and respectful environment at the University.

This course outline was approved by the Head of School. No alteration of this course outline is permitted without Head of School approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.

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