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Capstones
## VCPH (Part 1)

<table>
<thead>
<tr>
<th>Deakin University</th>
<th>La Trobe University</th>
<th>Monash University</th>
<th>The University of Melbourne</th>
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<tbody>
<tr>
<td>Health Promotion Plus one elective Part 1 subject</td>
<td>Students may take the remaining four subjects as electives</td>
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<tr>
<td>Epidemiology Statistics</td>
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Deakin University, La Trobe University, Monash University, and The University of Melbourne offer courses in Public Health Policy Social & Cultural Perspectives in Public Health. Students may take the remaining four subjects as electives at La Trobe University. Monash University offers Principles & Practices of Public Health Plus 3 elective Part I subjects. The University of Melbourne offers plus minimum of 2 elective Part I subjects.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>▪ Health Promotion</td>
<td>▪ Health Policy</td>
<td>▪ Clinical Epidemiology</td>
<td>▪ Epidemiology &amp; Biostatistics</td>
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<tr>
<td>▪ Public Health Nutrition</td>
<td>▪ Health Services Management</td>
<td>▪ Environmental Health</td>
<td>▪ Health Program Evaluation</td>
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<tr>
<td>▪ Equity &amp; Social Determinants of Health</td>
<td>▪ Health Promotion &amp; Social Sciences</td>
<td>▪ Heath Economics</td>
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<tr>
<td>▪ Environments for Health</td>
<td>▪ Workplace Health &amp; Rehabilitation</td>
<td>▪ Health Services Management</td>
<td>▪ Economic Evaluation</td>
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<tr>
<td>▪ Public Health Research</td>
<td>▪ International Health Policy</td>
<td>▪ International Health</td>
<td>▪ International health / Harm Reduction</td>
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<td></td>
<td>▪ Health Ageing</td>
<td>▪ Occupation Health</td>
<td>▪ Women’s Health</td>
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<td></td>
<td>▪ General</td>
<td>▪ research</td>
<td>▪ Social Health</td>
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<td>▪ General</td>
<td>▪ Primary Health Care</td>
</tr>
</tbody>
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* Compulsory Research/Applied Project
‘Judgement Safe’ Practitioners
Competencies: ANAPHI → VCPH

Generic Knowledge & Skills
- Research paradigms
- Information on determinants of health
- Information on theory, assessment and intervention
- The role of data
- Reading critically
- Critical appraisal
- Presentation of data

Personal Transferable Skills
- Communication
- Teamwork
- Information literacy
- Information technology
- Decision-making
- Cultural awareness

Professional Attitudes and Values
- Population health
- Values
- Collaboration
ANAPHI Competencies ➔ VCPH Learning Outcomes

• Public Health in Context
• Quantitative and Qualitative Methods for Public Health
• Foundation and Theoretical Knowledge and Skills
• Applied Public Health Skills

LOs ➔ course planning ➔ gate keeping
Capstone?

- Subject, seminar series, project…
- Integration of academic preparation with field-based experience
- Synthesis
- Translation
- Gate-keeping
Purpose

• Provides opportunity to synthesise and apply the knowledge and skills accumulated through the program

• Gives evidence of independent, critical, and creative investigation.

• Demonstrates the ability to define and develop a problem; to understand and synthesize relevant literature; to use appropriate methodology; to analyze and interpret data; and to draw reasonable conclusions based on the investigation….

• ➔ Judgement safe practitioner
With community-based organizations:

1. **Grant Proposal or Research Plan:** The capstone project would simulate a grant or research proposal. The project would include a clear statement of the research question, the specific aims of the proposal, review of literature, study design, methods of analysis, implications and significance of the work. The research question would be one that is encountered in professional work such as the evaluation of a public health intervention.

2. **Research Report:** The capstone project would involve the collection, analysis, and interpretation of data to address a public health problem. The project would include sections on the research question, study design, data collection procedures, data analysis, interpretation, and significance of findings. Please note that the appropriate IRB approval may need to be obtained for such a project.

3. **Public Health Program Plan:** The capstone project would involve the development of a plan to implement a public health program. It would address critical issues such as management, fiscal, ethical and logistical issues.

4. **Analysis of a Public Health Problem:** The capstone project would be an in-depth analysis of an important public health problem. The project would include sections that clearly describe the problem, assess the problem and its magnitude, evaluate its causes and determinants, discuss prevention and intervention strategies, and implementation and evaluation.
Epi in Practice

• Pre-requisites: (Epi & Analytic Methods I & II, Study Design, Regression)

• On completion of the subject, students are expected to:
  – Have a broad understanding of epidemiology research methods and the critical thinking skills to plan and appraise epidemiological studies in applied settings
  – Have advanced written communication skills including the ability to clearly describe and appraisal epidemiological study designs in detail
  – Effectively communicate complex epidemiological issues through clear oral presentations
  – Demonstrate the ability to work in teams and plan and prioritise tasks set outside the contact period
  – Be aware of the implications of epidemiologic research to the wider community and know how to operate in an appropriate and sensitive way
  – Have an understanding of current method and context issues in epidemiology and biostatistics

• Assessment: group presentations (pairs and larger), individual written submissions
Subject example
Evidence-based public health

EBPH

Synthesis of Evidence:
- practical grounding of theory

Many Evidences
Statistical + laboratory + political
+ sociological
+ personal (work experience & life in general)

Evidence theories
Part 1 content
Epidemiology + Biostatistics
+ Principles and Practice + Health Promotion
+ Sociological perspectives + environmental health
+ economics & programme evaluation + public health policy