

Collaborative planning (2 units)

Integration module (Stream no.2: Water, land and people)

Course description

Collaborative water planning introduces students to participatory methods and evaluation frameworks and extends their knowledge of social science concepts and the application of social theories to real life scenarios. Planners agree that community input and participation should influence the development of a water resource plan or strategy and find that they need professional development in this area. Skills in fostering collaboration between organisations are also needed. To foster a greater understanding of the role of collaborative approaches, this course will focus on when and how these approaches are useful; how to integrate different stakeholder perspectives including Indigenous and cross-cultural; and good practice for engaging with communities and between organisations.

Course introduction

This course will provide students with an understanding of different approaches to consultation and collaboration with stakeholders including local communities, private and public organisations. Students will gain an understanding of principles, methods and tools for better collaboration with communities, including Indigenous and

cross-cultural groups; conflict management; knowledge systems; and science communication. Lessons from real-life case-studies in water planning will be shared by a range of experts in the field, with time for in-depth workshops.

Key topics included are: rationale and terminology for various participatory approaches including action and social learning, community engagement and organisational collaboration, and some key evaluation methodologies.

Course delivery

- **Full-time** (on-campus) students, including international students, are required to enrol in the internal offering in Semester 2.
- **Part-time** (external) students are required to enrol in this module in Semester 4. The Semester 4 intensive six-day workshop is held at the beginning of the semester (new location, to be advised early 2012). The remainder of the course will be taught externally on-line.





IWC Graduates receive a co-badged degree from four leading Australian universities, ranked amongst the top 1% of the best universities in the world for teaching and research. (QS Global Ranking)

Assumed background

The following modules are pre-requisites for this course: WATR7000, WATR7001, WATR7002 and WATR7003.

Learning objectives

After successfully completing this course students should be able to:

- explain the theoretical underpinnings of community based participatory engagement, community participation and organisational collaboration, and its applicability to water resources;
- critique different participatory frameworks and assess when and why these need to be used in water and catchment management planning;
- demonstrate understanding of cross-cultural and specifically Australian Indigenous engagement issues as related to water planning and management;
- employ a range of analytical frameworks for understanding the links between water and local community values and ideas;
- explain and have a critical appreciation of knowledge systems, conflict resolution, negotiation and power relations and their links to water and catchment planning;
- demonstrate an understanding of their own ability to implement participatory processes;
- participate successfully in individual project on designing participatory approaches for integrated water planning;
- participate successfully in integrated group project on evaluating participatory approaches in a water planning case study.

Teaching staff

Course Coordinator: [Dr Steven Pratt](#) (The University of Queensland)

Lead Lecturer: [Dr Dana Kelly](#) (Independent)

Lecturer: [Associate Prof Poh-Ling Tan](#) (Griffith University)

Lecturer: [Dr Barbara Cook](#) (The University of Western Australia)

Problem-Based Learning (PBL) projects

Parallel PBL projects and field trips will run through the semester, comprising roughly 50% of the total contact time and assessment weight for the Integration semester. These enable students to

develop skills that complement the content delivered in the four co-requisite courses: WATR7100, WATR7200, WATR7300, WATR7400. Please see other co-requisite course profiles to cross-reference.

The PBL stream for the Integration semester comprises an individual project and a group project conducted in multidisciplinary teams:

- **PBL3:** Development of an implementation plan for increasing water recycling in the lower Great Southern (Group project)
- **PBL4:** Critical assessment of Australian integrated water management learnings and application in a developing country context (Individual project)

Field trips

Students begin the Integration semester with a two-week field trip to [The University of Western Australia's Centre of Excellence in Natural Resource Management in Albany](#), south Western Australia. The cost of the trip is covered in course fees.

For a complete list of field trips that students undertake during the Integration semester, please refer back to "Field trips" on page 4 of this syllabus or visit [IWC website](#).

