Australian National University

Artificial Intelligence COMP3620/6320

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Course Organisation

Sylvie Thiebaux (Convenor)

Thursday 22 Feb 12-2pm, outside Craig Building 35A
Register: http://cecs.anu.edu.au/events/rsvp/rsvp-2018-welcome-party

Organisation Into 3 Main Parts

Introduction	Sylvie Thiebaux	Feb 19 - Feb 23
Search	Sylvie Thiebaux	Feb 26 – Mar 19
Knowledge Rep. & Reasoning	John Slaney	Mar 23 – Apr 23
Planning	Sylvie Thiebaux	Apr 27 – May 18

- Each part is 6 lectures long (3 weeks) and taught by an expert

Sylvie Thiebaux
(convenor, lecturer)

John Slaney
(lecturer)

Alasdair Tran
(labs/assignments)

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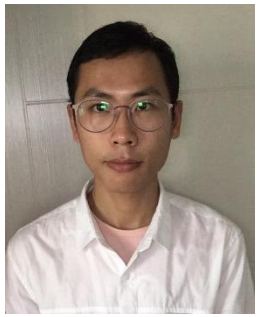
- 7 course tutors


Ian Mallett


Joseph Meltzer


Regina Pramesti


Mas Tajvidi


Wei Mao


Xavier O'Rourke


Yi Huang

Break & Public Holidays

Introduction	Sylvie Thiebaux	Feb 19 - Feb 23
Search	Sylvie Thiebaux	Feb 26 – Mar 19
Knowledge Rep. & Reasoning 1	John Slaney	Mar 23 – Mar 27
Break	-	
Knowledge Rep. & Reasoning 2	John Slaney	Apr 17 – Apr 23
Planning	Sylvie Thiebaux	Apr 27 – May 18

Holiday	Date	Replacement
• Canberra Day:	Mon Mar 12	Not replaced
• Good Friday:	Fri Mar 30	Tue 27 Mar
• Mid-Term Break:	Sat Apr 01 – Mon Apr 16	Tue 17 Apr

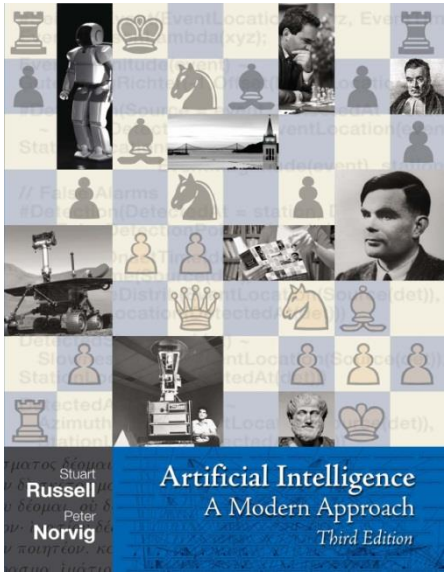
Overview Lectures

Introduction	Sylvie Thiebaux	Feb 20 - Feb 22
Search	Sylvie Thiebaux	Feb 27 – Mar 20
Knowledge Rep. & Reasoning 1	John Slaney	Mar 22 – Mar 29
Break	-	
Knowledge Rep. & Reasoning 2	John Slaney	Apr 19 – Apr 26
Planning	Sylvie Thiebaux	May 01 – May 17
Machine Learning Universal AI	Chen-Soon Ong Marcus Hutter	May 21 May 25

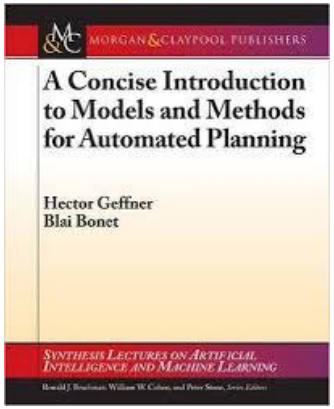
- 2 overview lectures on selected topics, each taught by course convenor

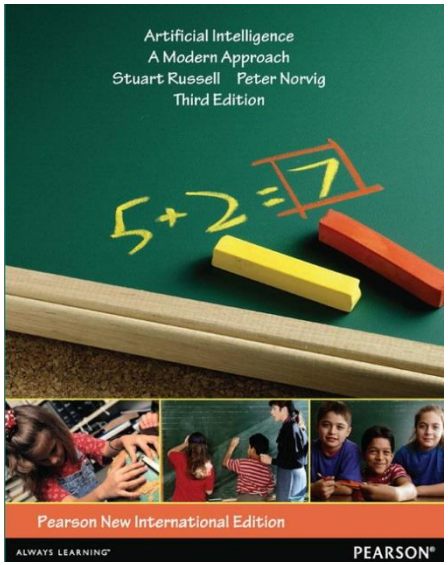
Books

- Course Book: (recommended)
  - Artificial Intelligence, A Modern Approach
    S. Russel and P. Norvig, Prentice Hall, 2010



- Others (available on-line):
  - A Concise Introduction to Models and Methods for Automated Planning
    B. Bonet and H. Geffner, Morgan & Claypool, 2013



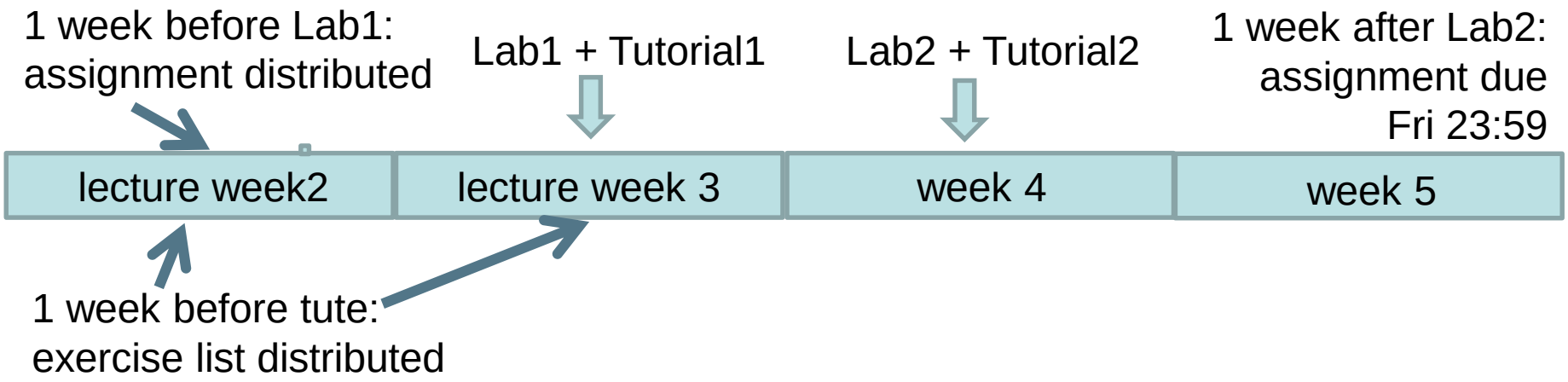


Tutorials, Labs, Assignments, Quizzes

- Tutorials: enrol in a tute group today 12pm
  - Goal is to help understand the material and prepare exam
  - Will discuss a list of questions, try answering them before the tutorial
- Quizzes:
  - Goal is to provide a reality check
  - Administered during tutorials
- Assignments:
  - Goal is to put the course into practice by building AI programs
  - Essential to build a deep understanding of the course
- Labs: enrol in a lab group today 12pm
  - Goal is to get help from the tutors with the assignments
  - Get started well in advance to make the most of the opportunity

Tutorials, Labs, Assignments Timeline

- Each part has 2x1.5h tutorials, 2x2h Labs, 1 quiz, 1 assignment



- Python
  - Labs and assignments are in Python 3
  - Lab 0/assignment 0 helps you learn Python.

Assessment

- **Individual** Assignments: 38%
  - 4 assignments, 38 pts total (8+10x3), 38% of the final mark
  - Due 1 week after Lab2, Fri 11:59pm, 100% penalty if late
  - Plagiarism detection software, some automated testing.
- Quizzes: 12%
  - 3 quizzes, 12pts total, 12% of the final mark
  - Administered during tutorials, get 0 if absent
- Final exam: 50%
  - 50% of the final mark
  - Hurdle: need to score at least 40% on the exam to pass
- Assessable material:
  - Unless specified otherwise: anything discussed in lectures, tutorials, labs.

Prerequisites

- Programming: (end of first-year level)
  - COMP1100/COMP1130 and (undergraduates, formal pre-req)
  - COMP1110/COMP1140

  - COMP6710 or (graduates)
  - COMP6730 with an HD

- Logic: (full semester logic course level)
  - COMP2620 or C[illegible]0 (undergraduates, formal pre-req.)
  - COMP6262 or C[illegible]60 (graduate)

Contact & Information

- The wattle page is the main source of information
  - Has priority in case of conflicting information
- Use Wattle forums for questions of general interest
- Otherwise:
  - Contact your tutor about the assignments, labs and tutorials
  - Contact Sylvie or John for matters related to the material we teach
- More serious issues:
  - Contact Sylvie for organisational and administrative matters
  - Contact Sylvie if you're struggling or need advice
  - Contact Alasdair in case of serious issues with assignments
  - Available by appointment

Class Representatives

To nominate yourself as a Class Rep, email CECS Student Services (studentexp.cecs@anu.edu.au):

- Your name
- Your student ID
- Course code (COMP3620 or COMP6320)
- Motivation for being a class Rep

ANUSA and PARSA offer **Class Rep. training** in Week 3/4 to give you skills to be an effective Class Rep

For more info: contact ANUSA President, Eleanor Kay
sa.president@anu.edu.au