Australian National University

Artificial Intelligence COMP3620/6320

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Course Organisation

Sylvie Thiebaux (Convenor)

Organisation Into 3 Main Parts

Introduction	Sylvie Thiebaux	Feb 20 - Feb 22
Search	Sylvie Thiebaux	Feb 27 – Mar 20
Knowledge Rep. & Reasoning	John Slaney	Mar 22 – Apr 26
Planning	Sylvie Thiebaux	May 01– May 17

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

Sylvie Thiebaux
(convenor, lecturer)

John Slaney
(lecturer)

Enrico Scala
(labs/assignments)

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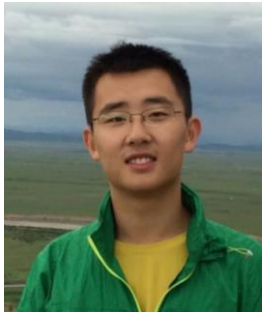
- 6 course tutors (honours and PhD students)


Patrick Chieppe


Dongxu Li


Jakub Nabaglo


Mas Tajvidi


Sam Toyer


Max Wang

Break & Public Holidays

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

- Canberra Day: Mon Mar 13
- Mid-Term Break: Sat Apr 01 – Tue Apr 18

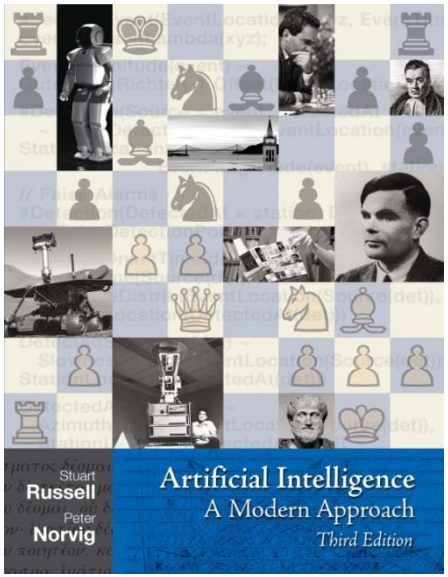
Overview Lectures

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 22 May 26

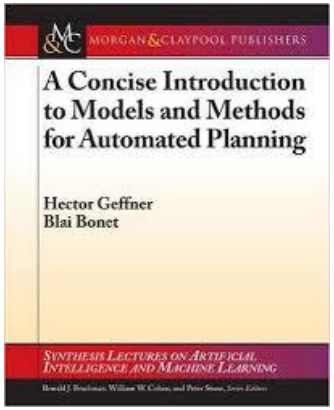
- 2 overview lectures on selected topics, each taught by course convenor

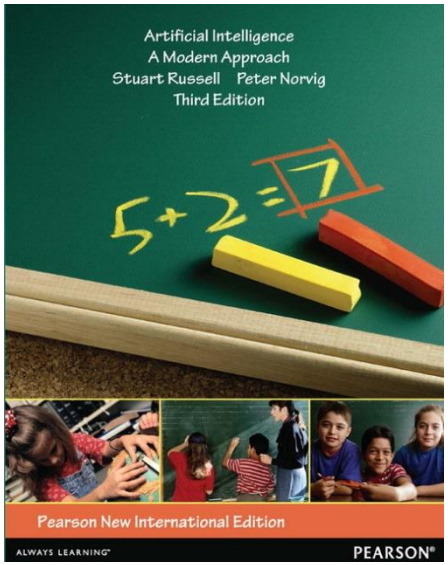
Books

- 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



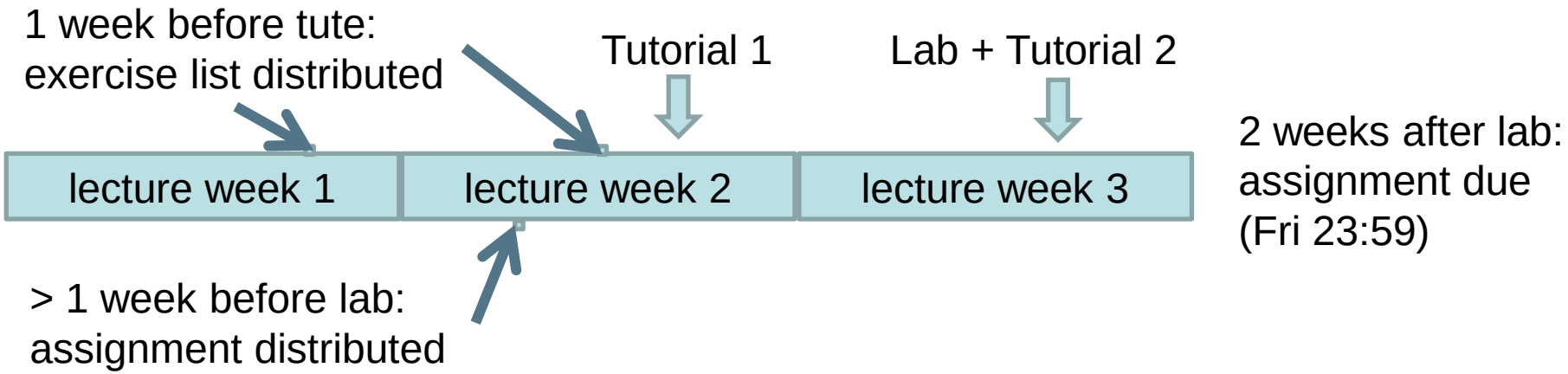


Tutorials, Labs, Assignments, Quizzes

- Tutorials:
  - 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:
  - 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 2x1h tutorials, 1x2h Lab, 1 quiz, 1 assignment



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

Assessment

- Assignments: 38%
  - 4 assignments, 38 pts total (8+10x3), 38% of the final mark
  - Due 2 weeks after the lab, 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
  - COMP6700/COMP6710 or (graduates)
  - COMP6730 with an HD
- Logic: (basic logic or formal methods course level)
  - COMP2620 or COMP2600 (undergraduates, formal pre-req.)
  - COMP6262 or COMP6260 (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 Enrico in case of serious issues with assignments
  - Available by appointment (Sylvie/Enrico are at NICTA/Data61)

Timetable

Enrol in a lab/tute group from 1pm today

- **The lectures take place on Mon and Wed:**
  - Lecture 1: Mon 12:00-13:00 (Coombs Theatre, Building 8A)
  - Lecture 2: Wed 11:00-12:00 (Huxley Theatre, Building 56)

- **The tutorials take place on Wed-Fri** weeks 10,11,13,17,19,20 (N108, Building 108)
  - Group T1: Thu 14:00-15:00 Group T2: Thu 15:00-16:00
  - Group T3: Fri 12:00-13:00 Group T4: Fri 14:00-15:00
  - Group T5: Fri 11:00-12:00 Group T6: Wed 13:00-14:00
  - Group T7: Wed 15:00-16:00 (A105 Brian Anderson)

- **The labs take place on Thu-Fri** weeks 9,11,17,19 (N111, N113, N114, Building 108)
  - Group L1: Thu 09:00-11:00 Group L2: Thu 11:00-13:00
  - Group L3: Fri 09:00-11:00 Group L4: Fri 15:00-17:00
  - Group L5: Thu 16:00-18:00 Group L6: Fri 12:00-14:00
  - Group L7: Thu 14:00-16:00