<table>
<thead>
<tr>
<th>TBS978</th>
<th>Health Economics Principles and Research Methods</th>
<th>6 CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Session</td>
<td>Sydney Campus</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LECTURER**
Professor Simon Eckermann

**LOCATION:** Bldg 40 Room 255 Northfields Campus

**PHONE:** 4221 4030

**EMAIL:** seckerma@uow.edu.au

**CONSULTATION TIME:** Three 3 hour sessions in September / October – dates to be negotiated by arrangement with participants

---

**SUBJECT COORDINATOR**
Professor Simon Eckermann

**LOCATION:** Bldg 40 Room 255 Northfields Campus

**PHONE:** 4221 4030

**EMAIL:** seckerma@uow.edu.au

**CONSULTATION TIME:** TBA
SECTION A: GENERAL INFORMATION

LECTURE DETAILS

All lectures to be held from 9:30am to 5pm

<table>
<thead>
<tr>
<th>Date</th>
<th>Topics Covered</th>
<th>Readings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Health economic and decision analytic principles for informing societal decision making</td>
<td></td>
</tr>
</tbody>
</table>
| 3 20th August location TBA | Diagnostic tests, and value of information  
|---|---|---|---|---|---|---|

**SUBJECT DESCRIPTION**

To develop skills for understanding, applying, analysing, synthesising and evaluating health economic principles and methods in informing related research, reimbursement and regulation decisions in process of health technology assessment, policy and practice evaluation.
STUDENT LEARNING OUTCOMES

On successful completion of this subject, the student should be able to:

Learning Outcomes:

1. Demonstrate understanding of health economic principles in informing decision making and associated analysis;
2. Apply methods to jointly allow for costs and effects under uncertainty from patient level data or parameter distributions;
3. Structure and analyse public health problems using a decision analytic approach;
4. Synthesise evidence to robustly allow for translation, extrapolation and comparisons in practice;
5. Evaluate uncertainty in decision making including threshold analysis, sensitivity analysis (one way and probabilistic), cost effectiveness acceptability, net benefit and expected net loss curves and frontiers, and value of information methods.

GRADUATE QUALITIES

The following SBS Graduate Qualities will be addressed in this subject. For details of how the SBS Graduate Qualities link to the UOW Graduate Qualities, please see http://www.uow.edu.au/sbs/graduatequalities/index.html

<table>
<thead>
<tr>
<th>SBS Graduate Quality</th>
<th>Where developed in this subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understanding business theory and practice</td>
<td>Decision analytic principles of coverage, comparability and consistency underlying health economic analysis and public policy decision making highlighted in Session 1, referred to built upon and linked throughout the course, from evaluation of new technologies to research design evidence translation and implementation and comparisons in practice.</td>
</tr>
<tr>
<td>Intelligent use of information</td>
<td>PICO evidence gathering and questions addressed. Methods to overcome Inferential pitfalls in evidence synthesis and translation taught in Day 1 and 2. Value of information methods to enable optimal efficient research design taught in day 3, practice comparison and pricing in days 4 and 5.</td>
</tr>
<tr>
<td>Creative Problem Solving</td>
<td>Critical thinking in cost effectiveness analysis, comparisons in practice and policy evaluation applying decision analytic principles developed across course.</td>
</tr>
<tr>
<td>Leadership</td>
<td>Academic and decision making leadership qualities promoted with cutting edge methods with societal large picture focus.</td>
</tr>
</tbody>
</table>
Responsible and ethical behaviour
Understand how decisions can affect others and make ethically informed choices. Appreciate and respect diversity. Act with personal and professional integrity as part of local, national, global and professional communities.

Focus throughout course on decision theory from a societal perspective, promoting understanding of impacts of decisions and qualities of ethical conduct in applying health economic methods and associated pitfalls.

Learning and Professional Development
Awareness of importance of keeping up to date with knowledge of the issues, theories and practices of management and specific disciplines. Commitment to life-long learning and professional development.

Latest literature in methods and practices and cutting edge analysis referenced and applied implications for critical evaluation and optimal societal decision making addressed.

ATTENDANCE REQUIREMENTS
To be eligible to pass this subject, students must attend at least 80 per cent of lectures and tutorials scheduled throughout the session. Class attendance will be recorded and retained within the School.

REQUIRED TEXT(S)
Eckermann S, McCaffery N. Health Economics from Theory to Practice: optimally informing joint decisions of research, reimbursement and regulation with health system budget constraints and community objectives. Forthcoming, Springer 2014, date TBA.

Following text recommended but not required

KEY REFERENCES
The recommended readings below are not intended as an exhaustive list of references. Students should also use the library catalogue and databases to locate additional resources.


## SECTION B: ASSESSMENT

<table>
<thead>
<tr>
<th>ASSESSMENT 1:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topic:</strong></td>
<td>Public health cost effectiveness assignment TBA at end lectures</td>
</tr>
<tr>
<td><strong>Length:</strong></td>
<td>2000 words</td>
</tr>
<tr>
<td><strong>Weighting:</strong></td>
<td>40%</td>
</tr>
<tr>
<td><strong>Due date:</strong></td>
<td>14/11/2014</td>
</tr>
<tr>
<td><strong>Assessment details:</strong></td>
<td>Health economic analysis including use of using decision analytic methods in a public policy problem involving cost effectiveness analysis. Option for student researched question of interest.</td>
</tr>
<tr>
<td><strong>Marking criteria:</strong></td>
<td>Marking based on demonstrated understanding and application of principles (40%) and methods (40%) and associated calculations (20%)</td>
</tr>
</tbody>
</table>

<p>| ASSESSMENT 2: | Description |</p>
<table>
<thead>
<tr>
<th>Topic:</th>
<th>Short Essay RE current public health policy, TBA end session 5, 22\textsuperscript{nd} August 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length:</td>
<td>1500 words</td>
</tr>
<tr>
<td>Weighting:</td>
<td>30%</td>
</tr>
<tr>
<td>Due date:</td>
<td>31/10/2014</td>
</tr>
<tr>
<td>Assessment details:</td>
<td>Essay on current health system issues and associated societal decisions – related to optimising across research, reimbursement and regulation in practice</td>
</tr>
<tr>
<td>Marking criteria:</td>
<td>Marking based on demonstrated understanding of principles, issues and methods</td>
</tr>
</tbody>
</table>

**IN SESSION QUIZZZ**

| Weighting: | 30\% |
| Date, time & location: | Start of session 4, 21\textsuperscript{st} August 2013 |
| 90 min principles and practice short answer and decision tree test |
SUPPLEMENTARY EXAMINATIONS

Students who suffer illness or other circumstances beyond their control which are likely to affect their academic performance on the day of an examination should not attend the exam. These students should obtain a Medical Certificate or other approved supporting documentation and follow the University’s Academic Consideration application process to apply for a supplementary exam. The School will not approve students to re-sit an examination. See Section C, Student Academic Consideration Policy for further details.

(Subjects delivered on Session basis) The supplementary examination period for this session is TBA. Those students who are approved to take a supplementary examination will receive a SOLSMail message advising of the details.

It is the responsibility of each student who applies for a supplementary examination:

a. to be available to sit for the examination at ANY time during the period following the application; and
b. to check SOLS Mail messages regularly for examination details.

Note: Applications for academic consideration or submission of medical certificates will not be accepted under any circumstances after the final results for the subject have been released.

MINIMUM PERFORMANCE REQUIREMENTS

To be eligible to pass this subject, students must achieve an overall mark of at least 50%, submit all assessment tasks for the subject and achieve at least 40% in the final examination.

TURNITIN

Turnitin is a web-based site found at www.turnitin.com used by UOW as a tool for detecting plagiarism, along with educating students about the importance of correct referencing techniques. The Turnitin system checks each student’s written assessment against electronic text:

- on the publicly accessible Internet,
- in published works (including ABI/Inform, Periodical Abstracts, Business dateline, and electronic books),
- on the ProQuest and Gale commercial databases, and
- in every assignment previously submitted to Turnitin

When a student submits his/ her written assessment, the system generates an ‘originality report’ that highlights the similarity found between the assessment and all the sources checked by Turnitin. Turnitin does not check that references are in the correct Harvard format. It is the student’s responsibility to check that all references follow the Harvard format detailed on http://www.library.uow.edu.au/referencing/

It is compulsory for all SBS students to submit all written assignments (final version) into the Turnitin system before submitting the hard copy to the School reception or lecturer. A printed copy of the ‘originality report’ obtained from the Turnitin system must be attached to the assignment. Any assignment received which does not have an attached report will not be marked and therefore be awarded a 0 for this assessment task.

Students are encouraged to submit drafts of their assignment to Turnitin before the due date, thus enabling students to check their referencing and rectify any issues before submission of the final version.
The first time a UOW student uses the Turnitin system, they must register using a functioning UOW email address as their user name and adhere to the following guidelines:

1. Use one sign in name only
2. Use one document name only for each assignment that includes your UOW student number
3. Any resubmissions must use the same document name as the original submission
4. References must be included in your Turnitin submission
5. Do not include the assignment topic question at the beginning of your submission
6. The originality report provided with the assignment submission must be consistent with your last submission to Turnitin

Failure to comply with these requirements may result in penalties being applied.

To access this subject’s site, students will require the following details:

**Class ID number:** TBA
**Enrolment password:** TBA

Detailed instructions on how to use and obtain access to the Turnitin system can be found at the website: [http://www.uow.edu.au/student/services/id/students/UOW021315.html](http://www.uow.edu.au/student/services/id/students/UOW021315.html)