

Title (Units): SCI7490 CONTEMPORARY ISSUES IN SOFT OPERATIONAL RESEARCH  
(2,2,0)

Syllabus Reviewed by: Michael Ng

Prerequisite and Co-requisite: None

Objectives: This subject introduces a range of soft OR/systems methods in a practical and yet critical way.

Calendar Description: This subject introduces a range of soft OR/systems methods in a practical and yet critical way.

References:

- 1). Rational Analysis for a Problematic World Revisited, by J. Rosenhead, J. and J. Mingers, Chichester: Wiley, 2001.
- 2). Systems Thinking, Systems Practice: Includes a 30-Year Retrospective, by P. Checkland, Chichester, Wiley, 1999.
- 3). Soft Systems Methodology in Action., by P. Checkland and J. Scholes, Chichester, Wiley, 1990.
- 4). Making Strategy: The Journey of Strategic Management, by C. Eden and F. Ackerman, London, Sage, 1998.
- 5). Messing About in Problems, by C. Eden, S. Jones, et al., Oxford, Pergamom, 1983.
- 6). Creative Problem Solving, by R. Flood and M. Jackson, London: Wiley, 1991.
- 7). Planning Under Pressure: The Strategic Choice Approach, by J. Friend and A. Hickling, Oxford, Pergamon, 1987.
- 8). Understanding the Process of Operational Research, by P. Keys (ed.), Chichester: Wiley, 1995.
- 9). Multimethodology: Theory and Practice of Combining Management Science Methodologies, by J. Mingers and A. Gill (eds.), Chichester: Wiley, 1997.
- 10). The Practice of Operational Research, by G. Mitchell, Chichester: Wiley, 1993.
- 11). Tools for Thinking: Modelling in Management Science, by M. Pidd, Chichester: Wiley, 1996.

Assessment: Continuous assessment (20%) and Final examination (80%)

Subject Content in Outline:

1. Introduction of Soft OR (10 hours of teaching)
2. Soft System Methodology (10 hours of teaching)
3. Cognitive mapping/SODA (8 hours of teaching)