

Development of a Postgraduate Program in Defence Operations Research

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Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 01 OCT 2003		2. REPORT TYPE N/A		3. DATES COVERED -	
4. TITLE AND SUBTITLE Development of a Postgraduate Program in Defence Operations Research				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Defence Science and Technology Organisation, Australia				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited					
13. SUPPLEMENTARY NOTES See also ADM001929. Proceedings, Held in Sydney, Australia on July 8-10, 2003., The original document contains color images.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	18. NUMBER OF PAGES 6	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

Defence Operations Research Education

- Joint development between DSTO and UNSW@ADFA
- Part of DSTO's Continuing Education Initiative
 - *CEI is designed to increase skills of defence scientists in core skill areas relevant to Defence*
 - *Six streams including human factors, systems engineering, defence technologies and operations research*
- Allows staff to further their education and enhance their skills
- Expect UNSW@ADFA to offer their own program which will be open to any prospective student

CEI Academic Structure

GRADUATE CERTIFICATE

1 Core (Systems Engineering for Complex Problem Solving)
+ 3 Technical



GRADUATE DIPLOMA

1 Core (Research Methodologies in a Multidisciplinary Environment)
+ 3 Technical



MASTERS DEGREE

Minor Thesis

DOR Courses

- **Introduction to Defence Operations Research (IDOR)**
 - **Decision Analysis (DA)**
 - **Optimisation Techniques (OT)**
 - **Analysis of Military Systems (AMS)**
 - **Warfare Modelling Analysis (WMA)**
 - **Concept Development, Experimentation & Wargaming (CDEW)**
 - **Introduction to Simulation (IS)**
-
- **Many courses are new and to be developed**
 - **All will be available by distance learning (web-based)**
 - **Plus electives in SE, stats, etc**

Indicative Program Schedule

	2004		2005		2006		2007	
	S1	S2	S1	S2	S1	S2	S1	S2
IDOR		X		X		X		X
DA	X		X		X		X	
IS	X		X		X		X	
CDEW		X				X		
AMS				X				X
WMA					X			
OT			X				X	

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