CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

1. Catalog Description of the Course. [Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability (May be

Program Areas	BIOLOGICAL	AND PHYSICAL	SCIENCES.	MATH AND	COMPUTER SCIENCE

	repeated to a maximum of system (Graded CR/NC, ABC/NC)			ours, laboratory	_ hours); non-traditional grading
	COMP 424. COMPUTER SYST Three hours of lecture in the lab p Prerequisite: COMP 350. Security techniques in operating sto cryptography, and public key se	er week systems, data bases, and	d computer networ	ks. Analysis of form	nal security models. Introduction
2.	Mode of Instruction.	** */	Hours per	Benchmark	
	Lectur	Units re 3	Unit 1	Enrollment 24	
	Semin	ar			
	Labor	atory			
	Activi	•			
3.	Justification and Learning Object Writing, and/or Language required. The course is an elective course. Through this course, students we biscuss and design mode Assess vulnerabilities of Explain impediments to see Assess the strength of a ce Organize and express ide. This course is not designed to see	e for Computer Scient will be able to ern security protocols a computer systems a security ryptographic system as clearly and convir	space as necessary nce majors. s and corresponding	g threats	ve, and whether it meets University

5. Course Content in Outline Form. [Be as brief as possible, but use as much space as necessary]

YES

<u>NO</u>

4. Is this a General Education Course

A (English Language, Communication, Critical Thinking)

E (Human Psychological and Physiological Perspectives)

C (Fine Arts, Literature, Languages & Cultures)

If Yes, indicate GE category:

B (Mathematics & Sciences)

D (Social Perspectives)

Introduction Encryption Viruses and Covert Channels Operating System Security **Data Base Security** Networks and Distributed System Security **References.** [Provide 3 - 5 references on which this course is based and/or support it.] Schneier, Secrets and lies: digital security in a networked world, Wiley 2000 ISBN 0471253111 Pfleeger, Security in Computing, 2nd Edition, Prentice-Hall (1996) ISBN 0133374866 Kaufman, Perlman and Speciner, Network security: private communication in a public world, Prentice-Hall, 2nd edition (2002) ISBN 0130460192 7. List Faculty Qualified to Teach This Course. All Computer Science faculty. Frequency. a. Projected semesters to be offered: Fall ___X_ Spring _X___ Summer ___X__ New Resources Required. Computer (data processing), audio visual, broadcasting needs, other equipment Use of existing computer lab. Library needs none Facility/space needs none 10. Consultation. Attach consultation sheet from all program areas, Library, and others (if necessary) 11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

Date

Proposer of Course