

MAD 05102

A: Division: INSTRUCTIONAL

Date:

SOCIAL SCIENCES

New Course:

B: Department:

Revision of Course
Information form:

X

Program:

Course Code

Subject & Course No

Prerequisite No

PSYCHOLOGY 360 - COGNITIVE PSYCHOLOGY

Course Content - cont'd

3. Perceptual Processes
Sensory memories
Pattern recognition in humans and machines
Attention

4. Memory Processes
Models of memory
Short term memory
Arousal and memory
Practical implications

5. Imagery

Characteristics of images
Short-term memory
Dreams
Computer interfaces

Characteristics
Imagery and
Cognitive
Graphical

6. Language

Understanding language

Computers and language representation
Producing language
Remembering language
Reading
Language translation

COGNITIVE
PSYCHOLOGY
RESEARCH
REPRESENTATION
LANGUAGE

7. Concepts and Categories

Concepts and Categories
Formation

Methods of researching
Factors affecting concept
Testing hypotheses
Natural categories
Statistical methods

8. Problem Solving

Problem representation
Strategies and heuristics
Well-defined problems
Creativity
Computational models

Problem representation
Strategies and heuristics
Well-defined problems
Creativity
Computational models

9. Reasoning
Linear series problems
Propositional reasoning
Syllogisms
Analogies
First order predicate logic

Course Content - cont'd

10. Decision Making

Social judgement and bias
 Mathematical modelling judges policy

Availability

11. Individual Differences

In language usage
 In concept formation and problem solving
 In cognitive styles
 Thinking as measurable ability

12. Artificial Intelligence

Expert systems
 Decision support systems

Social Cognition

Group problem solving
 Consensual social reality
 Game playing and simulation

13.

lectures
 audio-visual materials

- small group discussion
- research projects
- computer based cognitive simulation exercises

electronic forums/discussion group
 individual and small group assignments

R. Course Evaluation

summative components. Evaluation will be based on some of the following: quizzes, multiple choice exams, essay type exams, term paper or research project, computer based assignments, internet based assignments, quality of participation in class discussions, etc. An example of one evaluation scheme:

25%	10 quizzes	10%
10%	5 homework assignments	10%
	Small group assignments	10%
	Class discussion quality	10%
	Term project paper	20%
	Midterm exam	10%
	Final exam	15%
		100%