

MADE 05/02

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

Formation

7. Concepts and Categories

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

8. Problem Solving and Creativity

Solving

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

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following:  
 lectures  
 audio-visual materials

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

electronic forums/discussion group  
 individual and small group assignments

mediate  
 internet-based individual

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%

10 quizzes  
 5 homework assignments

Small group assignments 10%  
 Class discussion quality 10%  
 Term project paper 20%

Midterm exam 10%  
 Final exam 15%  
 100%