

# Conclusion

Fall 2005

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In which the mysteries of consciousness are explained...  
or further mystified.



## Course Evaluation Forms

Please pick up a set of forms  
before taking your seat

One for lectures  
One for discussion

You may use either pen or pencil

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## Final Examination

- Monday, May 16, 2005
  - 12:30 - 3:30 PM
  - 100 GPB (near Pat Brown's Grille)
    - DSP Students -- Usual Arrangements
- 2-Hour Exam (across 3 hours)
  - 1st hour, noncumulative
  - 2nd hour, cumulative
- Review
  - Wednesday, May 11, 10:00 - 12:00 Noon
  - 159 Mulford

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## Final Examination

*Closed Book, Closed Notes, in Pen*

### Noncumulative

50 Points

- Sleep and Dreams
- Hysteria, Hypnosis
- Absorption, Daydreaming, and Meditation
- Consciousness and Self
- Origins of Consciousness

### Cumulative

50 Points

- Mind-Body Problem(s)
- Introspection
- Attention, Automaticity
- Explicit-Implicit Distinction
- Anesthesia, Coma
- Lodge's *Thinks...*

### **Same Format As the Midterm:**

Short-Answer  
Some Degree of Choice

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## Review Session

- Wednesday, May 11
  - 10:00 - 12:00 Noon
  - 159 Mulford
- Review Illustrations will be posted to the course Website
- Queries to course Bulletin Board
  - Deadline: Friday, May 13
    - 5:00 PM
    - Queries will be addressed by noon Sunday

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## Mind States IV

May 27-29, 2005

Palace of Fine Arts, San Francisco



- Selected Presenters
  - Susan Blackmore
  - Paul Bach-Y-Rita
- Lots of Psychedelia
- Lots of Video Games
  - \$250 by May 15
  - \$300 at the Door
- See Jeff Downs
  - [www.mindstates.org](http://www.mindstates.org)

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## Rene Descartes (1596-1650)

*“Cogito, ergo sum”*

*“Sum res cogitans”*

*“Thinking”*  
includes all  
conscious internal  
mental states



## William James (1842-1910)



**“Psychology**  
is the science of mental life...  
The first fact for us, then,  
as psychologists,  
is that thinking of some sort goes on”  
*Principles of Psychology* (1890)

**“Psychology**  
is the description and explanation  
of states of consciousness as such”  
*Psychology: Briefer Course* (1892)

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## Avoidance of Consciousness

Flanagan (1992)



- Positivistic Reserve
  - Science deals with observable things
- Piecemeal Approach
  - Work from bottom up
- Conscious Inessentialism
  - Not necessary for even complex behavior
- Epiphenomenalist Suspicion
  - Consciousness plays no role in behavior

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## Resurgence of Consciousness

- Cognitive Revolution
  - Attention
  - Short-Term Memory
- “Rediscovery” of the Unconscious
  - Automaticity
  - Neuropsychology
  - Explicit-Implicit Distinction
- “Theory of Mind”
  - In Nonhuman Animals
  - In Infants and Children

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## Scientific Problems of Consciousness

- The Mind-Body Problem(s)
  - Neural Correlates of Consciousness
  - Causal Efficacy of Mental States
- The Unconscious Mind
  - Explicit-Implicit Distinctions
  - Validity of Introspection
- Knowledge of Other Minds
  - Animal Awareness
  - Machine Consciousness
  - Social Cognition and the Theory of Mind

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## How to Solve the Mind-Body Problem: 1

- Define Consciousness
  - Not complex behavior
  - Not information-processing
  - Phenomenal Awareness
    - Wakefulness
    - Attention
    - Phenomenal Awareness
      - Qualia
      - Intentionality
      - Self-Reference

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## How to Solve the Mind-Body Problem: 2

- Get a Comparison Condition
  - Wakefulness
    - vs. Sleep, Anesthesia, Coma
  - Attention
    - vs. Pre-Attentive, Automatic Processing
  - Phenomenal Awareness
    - Qualia
      - Faculty, Modality, Quality
    - Intentionality
      - Propositional Attitudes
    - Self-Reference
      - 1st- vs. 3rd-Person Descriptions

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## How to Solve the Mind-Body Problem: 2b

- The Explicit-Implicit Distinction
  - In Cognition
    - Memory
    - Perception
    - Learning
    - Thought
  - Beyond Cognition
    - Emotion
    - Motivation

What is the difference  
that makes for consciousness?

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## How to Solve the Mind-Body Problem: 3

Don't forget the *other* mind-body problem:  
How does the mind affect the body?

- “Free will” vs. determinism
  - The Automaticity Juggernaut
- “Psychosomatic” Interactions
  - Placebo Effects
  - Suggestion Effects

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## How to Solve the Mind-Body Problem: 3b

- The Explicit-Implicit Distinction
  - In Cognition
    - Memory
    - Perception
    - Learning
    - Thought
  - Beyond Cognition
    - Emotion
    - Motivation

What is the difference  
that consciousness makes?

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## In the Meantime...

- The “Piecemeal Approach” has its virtues
- There's lots of fun stuff to study
  - Anesthesia
  - Coma
  - Sleep, Dreams, Parasomnias
  - “Hysteria”, Hypnosis
  - Absorption, Flow, Daydreaming
  - Meditation
  - “Theory of Mind” in Children, Animals
  - Psychoactive Drugs

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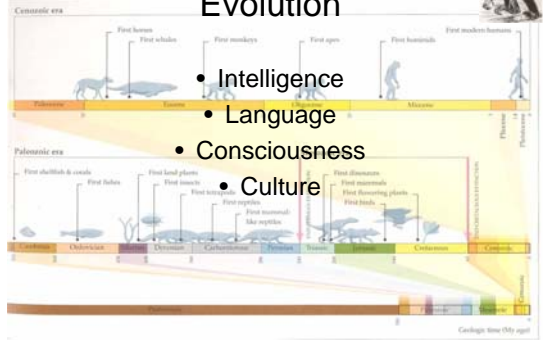
## The Mysterious Case of the Philosopher's Palm Pilot



Can a zombie lose his Palm Pilot?

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## The Mental Legacy of Evolution



## "Know Thyself"

Plato, Protagoras



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