General psychology complex exam
Requirements

1. Affective psychology

Topics:

- Physiological needs: Hunger – eating behavior (R Chapter 4)
- Sexual motivation and behavior (R Chapter 4)
- Aggression and violence (ppt)
- Extrinsic motivation, internalization and psychological needs (R Chapter 5-6)
- Motivation and performance - Positive psychology (R Achievement motivation: 159-165pp, Chapter 15)
- Basic emotions and emotional expression (SK Chapter 1-2)
- Cognitive theories of emotions (SK Chapter 14)
- Social and cultural aspects of emotions (SK Chapter 3)
- Emotion regulation (SK Chapter 6)
- Affective disorders (SK Chapter 13, 15)

Textbooks:


2. Cognitive psychology I.

- Introduction (pp. 3-21)
- Neural processing (pp 53-77)
- Perceiving color (pp 199-227)
- Perceiving motion (pp 175-198)
- Perceiving objects and scenes (pp 95-127)
- Perceiving depth and size (pp 227-261)
- Hearing and speech (pp 261-289, 317-337)
• Chemical senses (pp 363-388)
• Cutaneous senses (pp 337-363)
• Taking action (pp 153-175)

Textbook:
E. B. Goldstein: Sensation and perception (9th edition)

3. Cognitive psychology II.

• Types of attention
  • Alertness
  • Vigilance
  • Selective
  • Filter models, Capacity theory, Feature integration, saliency, inhibition

• Models of memory
  • Container models (sensory, STM, LTM)
  • Working memory
  • Encoding and retrieval (reconstructive memory, types of LTM, implicit memory)

Textbook:
Chapters 4, 5, 6, 8, 9 http://cs.um.ac.ir/images/87/books/Cognitive%20Psychology_Strenberg%206th%20.pdf

4. Evolutionary psychology I. /lecture/

• The Basic Concepts of Evolutionary Psychology
  ➢ Darwinism, natural selection, forms of adaptation, anthropology, SSSM, (human) ethology, four questions, functional equivalents, (human) sociobiology, the selfish gene, evolutionary psychology, modularity, adaptation and environment, multicausality

• The origins of the human mind
  ➢ shared and separated phylogenetic development with primates, tool use, teaching and imitation, theory of mind in primates, self-recognition, ecological and social theories of the human intelligence

• Mind reading and manipulation tactics
  ➢ tactical deception, counter-deception, the ontogeny of the ToM, false belief task, autism spectrum disorder, Machiavellianism

• Thinking and emotion
• problems of rational decision making, heuristic decision making, types of heuristics, system 1 vs 2, inductive estimation abilities, evolution of emotional expressions, dual regulation, gender differences, superposition of emotions, somatic marker hypothesis

• The evolution of language
  ➢ the characteristics of the human language, relevant regions of the brain, when and why did language evolve, language acquisition, ostension, three assumption, universal grammar

• The evolution of culture
  ➢ the anthropologists’ view, cultural universals, idea diffusion, evolutionary theories, culturegens, memes

• Group formation and social norms
  ➢ cognitive restraints of group size, group identity, social norms, conformity, norm enforcement, strong reciprocity, group selection, ultimate attribution error, xenophobia

• Kin relationships and conflicts
  ➢ kin altruism, kin selection, inclusive fitness theory, kin recognition, parental investment theory, parent-offspring conflicts

• Reciprocity and cheat detection
  ➢ reciprocal altruism, prisoner’s dilemma, emotions, cheat detection, Wason selection task, indiscriminate altruism

• Aggression, rivalry and status
  ➢ definition, biological aspects, competing for resources, ritualized aggression, territoriality, gender differences, evolutionary strategies, dominance, status, prestige, biprogrammed behavior

5. Evolutionary psychology II. /lecture/

• Parental strategies, attachment
  ➢ how can the mother bond with her baby, how can the baby draw its caregiver’s attention, attachment theories, the adaptivity of the attachment styles, paternal care,

• Favouritism and parent-offspring conflicts
  ➢ grandparental investment, the grandmother hypothesis, prominent phases of conflict, factors influencing discriminative childcare

• Cognitive development in childhood
  ➢ initial social skills, inborn face preference, gaze detection module, imitation, naïve physics, object permanence, intuitive biology

• Childhood: neoteny, play and birth order
  ➢ neoteny, hypermorphosis, the evolutionary role of children’s play, parental investment and birth order, dominance and personality, deidentification

• Gender differences during development, socialization
➢ evolutionary theories of socialization, life-history theory, childhood without fathers

**Evolutionary psychology II. /seminar/**

- *The evolutionary origins of the human sexuality*
  ➢ sexual selection theory, sexual strategies: parental investment theory, sexual strategies: sexual motivation
- *Human mate choice preferences*
  ➢ women’s mate preferences, men’s mate preferences
- *Rivals and allies*
  ➢ love and evolution, jealousy and infidelity, marriage
- *Physical attractiveness*
  ➢ cues on the female face and body, cues on the male face and body, Body odour preferences in humans

**Textbook:**