

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:

Reeve, Johnmarshall (2018). *Understanding Motivation and Emotion*. 7th edition, John Wiley and Sons: New Jersey. (=R)

Michelle N. Shiota, James W. Kalat (2018). *Emotion* 3rd edition (=SK)

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:

Sternberg, R. J. & Sternberg, K. (2012). *Cognitive Psychology* (6th edition). Belmont, CA: Wadsworth.

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:

- Buss, D. (2015). *Evolutionary psychology: The new science of the mind*. New York: Taylor & Francis.
- Wedekind, C. (2007). Body odour and body odour preferences in humans. In Dunbar, R.I.M. & Barrett, L. (Eds.), *The Oxford Handbook of Evolutionary Psychology* (pp. 315-320). Oxford: Oxford University Press.
- Weisfeld, G. E., & Weisfeld, C. C. (2002). Marriage: An evolutionary perspective. *Neuroendocrinology Letters*, 23(4), 47-54.
- Workman, L., Reader, W. (2014). *Evolutionary Psychology: An introduction (3rd edition)*. Cambridge: Cambridge University Press