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| <b>PSI 2342</b>                  | <b>Principles of cognitive neuroscience</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |
|                                  | CARGA HORÁRIA TOTAL: 45 HORAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CRÉDITOS: 3-0-0 |
|                                  | <b>Professor: Thomas Eichenberg Krahe</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |
|                                  | <b>Horário: Quintas-Feiras, das 16 às 19h</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |
| <hr/>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |
| <b>OBJETIVOS</b>                 | This course aims to provide students with a foundation in the field that studies the intricate links between the mind, the brain, and behavior.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |
| <b>EMENTA</b>                    | Understand basic concepts of cognitive neuroscience including dominant theories of the neural underpinnings of a variety of cognitive processes and the research that has led to those theories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |
| <b>PROGRAMA</b>                  | <b>Preliminary program:</b><br>1.Introductory Lecture<br>2.Principles of Cognitive Neuroscience (Overview)<br>3.Sensory Processing (Overview)<br>4.The Perception of Visual Stimuli<br>5.The Perception of Auditory Stimuli<br>6.Mechanosensory and Chemosensory Perception<br>7.Principles of Motor Processing and Motor Behavior<br>8.Principles of Attention (Overview)<br>9.Attention (Stimulus Processing, Attentional Control)<br>10.Principles of Memory (Overview)<br>11.Principles of Memory (Types of Memory)<br>12.Principles of Emotion (Overview)<br>13.Principles of Emotion (Social Cognition)<br>14.Principles of Executive Processing (Overview)<br>15.Decision Making and Reasoning<br>16.Brain Plasticity |                 |
| <b>AValiação</b>                 | <b>Grading:</b> Grades are based on written assignments. Regular class attendance and participation are also required for successful completion of the course.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| <b>BIBLIOGRAFIA PRINCIPAL</b>    | BANICH, M.T.; COMPTON, R.J. <b>Cognitive neuroscience</b> . Cambridge: Cambridge University Press, 2018.<br>KANDEL, E. et al. <b>Principles of neural science</b> . 5ª ed. Nova York: McGraw- Hill Education, 2012.<br>PURVES, D. et al. <b>Principles of cognitive neuroscience</b> . 2ª ed. Sunderland: Sinauer Associates Inc Publishers, 2012.                                                                                                                                                                                                                                                                                                                                                                           |                 |
| <b>BIBLIOGRAFIA COMPLEMENTAR</b> | EAGLEMAN, D. <b>The brain: the story of you</b> . Nova York: Vintage Books, 2017.<br>PINKER, S. <b>Enlightenment now: the case for reason, science, humanism, and progress</b> . Londres: Penguin Books, 2018.<br>RUGG, M.D. <b>Cognitive neuroscience</b> . Hove: Psychology Press, 2013.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |