



Cognition, Brain, and Consciousness: Introduction to Cognitive Neuroscience, 2nd Edition

Bernard J. Baars, Nicole M. Gage

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Cognition, Brain and Consciousness provides students and readers with an overview of the study of the human brain and its cognitive development. It discusses brain molecules and their primary function, which is to help carry brain signals to and from the different parts of the human body. These molecules are also essential for understanding language, learning, perception, thinking, and other cognitive functions of our brain.

The book also presents the tools that can be used to view the human brain through brain imaging or recording. Brain recording is used to measure electric and magnetic signals in our brain. The most precise recording method is the single neuron or unit recording that uses deep needle electrodes implanted in the brain. In addition, the book discusses people's consciousness and attention spans, which are considered complementary processes. Learning and memory capacity of the brain are also discussed.

The study of cognitive neuroscience is very challenging, as every aspect of the human brain must be studied to fully understand how the brain works.

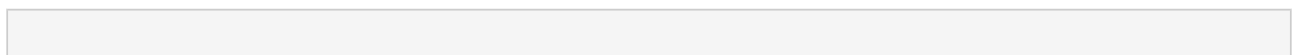
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- Completely revised to reflect new advances, and feedback from adopters and students
- Includes a new chapter on Genes and Molecules of Cognition
- Student Solutions available at <http://www.baars-gage.com/>

For Teachers:

- **Rapid adoption and course preparation:** A wide array of instructor support materials are available online including PowerPoint lecture slides, a test bank with answers, and eFlashcards on key concepts for each chapter.
- **A textbook with an easy-to-understand thematic approach:** in a way that is clear for students from a variety of academic backgrounds, the text introduces concepts such as working memory, selective attention, and social cognition.
- **A step-by-step guide for introducing students to brain anatomy:** color graphics have been carefully selected to illustrate all points and the research explained. Beautifully clear artist's drawings are used to 'build a brain' from top to bottom, simplifying the layout of the brain.

For students:

- **An easy-to-read, complete introduction to mind-brain science:** all chapters begin from mind-brain functions and build a coherent picture of their brain basis. A single, widely accepted functional framework is used to capture the major phenomena.
- **Learning Aids** include a student support site with study guides and exercises, a new **Mini-Atlas of the Brain** and a full **Glossary** of technical terms and their definitions.
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