The Science of Consciousness - Center for Consciousness Studies – University of Arizona – www.consciousness.arizona.edu
Taxonomy - Revised - November 2016

1.0 Philosophy
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1.01 The concept of consciousness
1.02 Materialism and dualism
1.03 Panpsychism, neutral monism, and idealism
1.04 Ontology of consciousness
1.05 Qualia
1.06 Machine consciousness
1.07 Mental causation and the function of consciousness
1.08 The "hard problem" and the explanatory gap
1.09 Philosophical theories of consciousness
1.10 Epistemology and philosophy of science
1.11 Personal identity and the self
1.12 Free will and agency
1.13 Intentionality and representation
1.14 Philosophy of perception
1.15 Miscellaneous

2.0 Neuroscience
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2.01 Neural correlates of consciousness (general)
2.02 Methodologies (fMRI, EEG etc.)
2.03 Neuroscience of vision
2.04 Other sensory modalities
2.05 Motor control
2.06 Memory and learning
2.07 Blindsight
2.08 Neurology, neuropsychology and neuropathology
2.09 Coma and vegetative states
2.10 Anesthesia and pharmacology
2.11 Cellular and sub-neural processes
2.12 Quantum brain biology
2.13 Brain networks, synchrony and scale
2.14 Emotion
2.15 Sleep and waking
2.16 Brain stimulation techniques
2.17 Specific brain areas
2.18 Neurobiological theories of consciousness
2.19 Miscellaneous

3.0 Cognitive Science & Psychology
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3.01 Attention
3.02 Vision
3.03 Other sensory modalities
3.04 Memory, learning and synaptic plasticity
3.05 Emotion
3.06 Language
3.07 Mental imagery
3.08 Implicit and explicit processes
3.09 Unconscious/conscious processes
3.10 Sleep and dreaming
3.11 Cognitive development
3.12 Artificial intelligence & robotics
3.13 Neural networks and connectionism
3.14 Cognitive architectures
3.15 Ethology
3.16 Self-consciousness and metacognition

3.17 Temporal consciousness
3.18 Intelligence and creativity
3.19 Cognitive theories of consciousness
3.20 Miscellaneous

4.0 Physical and Biological Sciences
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4.01 Quantum physics, collapse and the measurement problem
4.02 Quantum field approaches
4.03 Space, time and the nature of reality
4.04 Cosmology and integrative models
4.05 Emergence, nonlinear dynamics and complexity
4.06 Hierarchies, scale-invariance and 1/f systems
4.07 Logic and computational theory
4.08 Quantum brain biology
4.09 Biophysics and coherence
4.10 Origin and nature of life
4.11 Consciousness and evolution
4.12 Medicine and healing
4.13 Brain stimulation techniques
4.14 Quantum theories of consciousness
4.15 Miscellaneous

5.0 Experiential Approaches
==========
5.01 Phenomenology
5.02 Meditation
5.03 Hypnosis
5.04 Other altered states of consciousness
5.05 Transpersonal and humanistic psychology
5.06 Psychoanalysis and psychotherapy
5.07 Lucid dreaming
5.08 Near-death and anomalous experiences
5.09 Parapsychology
5.10 Contemplation and mysticism
5.11 Virtual reality
5.12 Miscellaneous

6.0 Culture and Humanities
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6.01 Literature and hermeneutics
6.02 Art and aesthetics
6.03 Music
6.04 Religion and spirituality
6.05 Mythology
6.06 Sociology
6.07 Anthropology
6.08 Information technology
6.09 Ethics and legal studies
6.10 Education
6.11 Entertainment
6.12 Miscellaneous

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