

## Course Syllabus

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CSCM-315-01

CalArts' School of Critical Studies

Main Building, F200

W 2:00 PM - 3:50 PM

Professor Douglas Goodwin

Office hours by appointment








dgoodwin@calarts.edu




















*What is done by what is called myself is, I feel, done by something greater than myself in me.*



















—James Clerk Maxwell







How does perception make sense of the world? How is the sensation of light and sound rendered into recognizable imagery? How does imagery act on us? And how can images change our physiology? We will proceed by studying apparent failures in perception: optical illusions, magic tricks and mirror box therapies designed to ease pain from amputated limbs. We conclude with an appraisal of computerized tomography (CT) scans, functional Magnetic Resonance Imaging (fMRI) and other data-imaging technologies.

## Assignments Summary:

Date	Details
Wed Sep 21, 2016	 <b>LECTURE: Waveforms. The electro-magnetic spectrum</b> ( <a href="https://canvas.instructure.com/calendar?event_id=1180333&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180333&amp;include_contexts=course_1074304</a> ) 12am
	 <b>WATCH: Slide deck on Waves and Fourier Transforms</b> ( <a href="https://canvas.instructure.com/calendar?event_id=1180335&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180335&amp;include_contexts=course_1074304</a> ) 12am
Wed Sep 28, 2016	 <b>LECTURE: IN/DIRECT REALISM</b> ( <a href="https://canvas.instructure.com/calendar?event_id=1180336&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180336&amp;include_contexts=course_1074304</a> ) 12am
	 <b>QUIZ: Fourier, transforms, waves, signals</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5280542">https://canvas.instructure.com/courses/1074304/assignments/5280542</a> ) due by 4pm
	 <b>READ: First Dialogue between Hylas and Philonous</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5280556">https://canvas.instructure.com/courses/1074304/assignments/5280556</a> ) due by 4pm
Wed Oct 5, 2016	 <b>READ: This Is a Simulation</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5321511">https://canvas.instructure.com/courses/1074304/assignments/5321511</a> ) due by 11:59pm
	 <b>QUIZ: Early Theories of Vision</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5280539">https://canvas.instructure.com/courses/1074304/assignments/5280539</a> ) due by 4pm

Date	Details
Wed Oct 12, 2016	 <b>READ: Magic and the Brain: Teller Reveals the Neuroscience of Illusion</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280558">https://canvas.instructure.com/courses/1074304/assignments/5280558</a> due by 4pm
	 <b>READ: Peter Strawson, Perception and its Objects</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280560">https://canvas.instructure.com/courses/1074304/assignments/5280560</a> due by 4pm
	 <b>DEBATE: Berkeley vs. Locke</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280547">https://canvas.instructure.com/courses/1074304/assignments/5280547</a> due by 5pm
	 <b>LECTURE: The Intentionality of Perception</b> <a href="https://canvas.instructure.com/calendar?event_id=1180342&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180342&amp;include_contexts=course_1074304</a> 12am
	 <b>LAB: Perform a magic trick</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280550">https://canvas.instructure.com/courses/1074304/assignments/5280550</a> due by 4pm
Wed Oct 19, 2016	 <b>READ: excerpt from The Intrinsic Quality of Experience, Gilbert Harman</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280555">https://canvas.instructure.com/courses/1074304/assignments/5280555</a> due by 4pm
	 <b>READ: The Argument from Illusion, A. J. Ayer</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280563">https://canvas.instructure.com/courses/1074304/assignments/5280563</a> due by 4:59pm
	 <b>DEBATE: Newton vs. Huygens</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280549">https://canvas.instructure.com/courses/1074304/assignments/5280549</a> due by 5pm
Wed Oct 26, 2016	 <b>LECTURE: Content or no-content?</b> <a href="https://canvas.instructure.com/calendar?event_id=1180339&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180339&amp;include_contexts=course_1074304</a> 12am
	 <b>READ: Perception and Content, Bill Brewer</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280559">https://canvas.instructure.com/courses/1074304/assignments/5280559</a> due by 4pm
	 <b>READ: The Nonconceptual Content of Experience, Tim Crane 1992</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280567">https://canvas.instructure.com/courses/1074304/assignments/5280567</a> due by 4pm
Wed Nov 2, 2016	 <b>DEBATE: between Emission Theory and Intromission Theory</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280548">https://canvas.instructure.com/courses/1074304/assignments/5280548</a> due by 5pm
	 <b>LECTURE: The Information Available in Pictures</b> <a href="https://canvas.instructure.com/calendar?event_id=1180340&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180340&amp;include_contexts=course_1074304</a> 12am
	 <b>QUIZ: Gibson's Invariants</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280538">https://canvas.instructure.com/courses/1074304/assignments/5280538</a> due by 4pm
	 <b>READ: Cezanne's Doubt, Maurice Merleau-Ponty</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280553">https://canvas.instructure.com/courses/1074304/assignments/5280553</a> due by 4pm
	 <b>READ: Spatial Vision</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280562">https://canvas.instructure.com/courses/1074304/assignments/5280562</a> due by 4pm
Wed Nov 2, 2016	 <b>READ: The Information Available In Pictures, James J. Gibson</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280564">https://canvas.instructure.com/courses/1074304/assignments/5280564</a> due by 4pm
	 <b>LAB: recreate painting by Cézanne, Pollock painting</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280551">https://canvas.instructure.com/courses/1074304/assignments/5280551</a> due by 11:59pm
	 <b>LECTURE: The Subjectivity of Experience / Gestalt</b> <a href="https://canvas.instructure.com/calendar?event_id=1180343&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180343&amp;include_contexts=course_1074304</a> 12am

Date	Details
Wed Nov 9, 2016	 <b>READ: "What is it like to be a bat?" by Thomas Nagel</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280570">https://canvas.instructure.com/courses/1074304/assignments/5280570</a> due by 4pm
	 <b>READ: The Intelligence of Vision: An Interview with Rudolf Arnheim</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280565">https://canvas.instructure.com/courses/1074304/assignments/5280565</a> due by 4pm
	 <b>DEMONSTRATION: Recomposing a famous Gestalt illusion</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5321523">https://canvas.instructure.com/courses/1074304/assignments/5321523</a> due by 11:59pm
	 <b>LECTURE :Disjunctivism</b> <a href="https://canvas.instructure.com/calendar?event_id=1180344&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180344&amp;include_contexts=course_1074304</a> 12am
	 <b>VIDEO: Diana Deutsch, the Puzzle of absolute pitch</b> <a href="https://canvas.instructure.com/calendar?event_id=1180334&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180334&amp;include_contexts=course_1074304</a> 12am
	 <b>READ: Introduction to Disjunctivism, by Byrne and Logue</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280557">https://canvas.instructure.com/courses/1074304/assignments/5280557</a> due by 4pm
Wed Nov 16, 2016	 <b>READ: The puzzle of absolute pitch, Diana Deutsch</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280568">https://canvas.instructure.com/courses/1074304/assignments/5280568</a> due by 4pm
	 <b>LECTURE: ACTIVE PERCEPTION / MOTION PICTURES</b> <a href="https://canvas.instructure.com/calendar?event_id=1180345&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180345&amp;include_contexts=course_1074304</a> 12am
	 <b>LECTURE: The frequency of perception and bird-flight</b> <a href="https://canvas.instructure.com/calendar?event_id=1180346&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180346&amp;include_contexts=course_1074304</a> 12am
	 <b>READ excerpt from Action in Perception, Alva Noë</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280554">https://canvas.instructure.com/courses/1074304/assignments/5280554</a> due by 4pm
	 <b>READ: Shuttering Mechanisms of Zoetrope and Zoopraxiscope AND Why Do Movies Move?, Alvy Ray Smith</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280561">https://canvas.instructure.com/courses/1074304/assignments/5280561</a> due by 4pm
	 <b>QUIZ: JJ Gibson</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280540">https://canvas.instructure.com/courses/1074304/assignments/5280540</a> due by 4:59pm
Wed Nov 23, 2016	 <b>READ excerpt from Action in Perception, Alva Noë</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5321527">https://canvas.instructure.com/courses/1074304/assignments/5321527</a> due by 11:59pm
	 <b>CANCEL</b> <a href="https://canvas.instructure.com/calendar?event_id=1180347&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180347&amp;include_contexts=course_1074304</a> 12am
Wed Nov 30, 2016	 <b>ACTIVITY: Measure the sensitivity of the skin behind your partner's calf</b> <a href="https://canvas.instructure.com/calendar?event_id=1180349&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180349&amp;include_contexts=course_1074304</a> 12am
	 <b>LECTURE: OTHER MODALITIES: TOUCH AND SMELL</b> <a href="https://canvas.instructure.com/calendar?event_id=1180348&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180348&amp;include_contexts=course_1074304</a> 12am
	 <b>QUIZ: perception and matter</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280541">https://canvas.instructure.com/courses/1074304/assignments/5280541</a> due by 4pm
	 <b>READ: "The Nobility of Sight" by Hans Jonas</b> <a href="https://canvas.instructure.com/courses/1074304/assignments/5280566">https://canvas.instructure.com/courses/1074304/assignments/5280566</a> due by 4pm

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	 <b>READ: Naturalism, introspection, and direct realism about pain</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5321509">https://canvas.instructure.com/courses/1074304/assignments/5321509</a> )	due by 11:59pm
Fri Dec 2, 2016	 <b>ASSIGNMENT DUE! Report on three artworks that followed discoveries in perception</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5280545">https://canvas.instructure.com/courses/1074304/assignments/5280545</a> )	due by 4pm
	 <b>ACTIVITY: Can you sense with your eyes closed? Can you sense when people are looking at you?</b> ( <a href="https://canvas.instructure.com/calendar?event_id=1180351&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180351&amp;include_contexts=course_1074304</a> )	12am
Wed Dec 7, 2016	 <b>LECTURE: Unconscious Perception</b> ( <a href="https://canvas.instructure.com/calendar?event_id=1180350&amp;include_contexts=course_1074304">https://canvas.instructure.com/calendar?event_id=1180350&amp;include_contexts=course_1074304</a> )	12am
	 <b>READ: "Unconscious Perception" by Prinz</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5280569">https://canvas.instructure.com/courses/1074304/assignments/5280569</a> )	due by 4pm
	 <b>Roll Call Attendance</b> ( <a href="https://canvas.instructure.com/courses/1074304/assignments/5351223">https://canvas.instructure.com/courses/1074304/assignments/5351223</a> )	



