This course encompasses key cognitive and developmental studies on human cognition and learning. Students will critically discuss research and contemporary debates on cognitive processes, learning, memory, reasoning, problem-solving, developmental mechanism, cognitive styles, motivation, the socio-cultural foundations of learning as well as other essential topics in human cognition and learning with an emphasis on the implications for educators and educational researchers.

In this global study course, students will first learn contemporary theories and research on cognition and learning and then fly to Tokyo where they will engage in a variety of learning activities such as Japanese lesson study, action research forum, and elementary/middle school visits in which they will have first-hand experiences to learn about Japanese teaching methods/philosophy focused on social and personal development of children. In Japan, students will have a variety of opportunities to interact with Japanese K-12 teachers/students as well as university students at Waseda University who will serve as our partner institution. The program cost will include roundtrip air between California and Tokyo, 4 star hotel stay at the heart of Tokyo (Shinjuku district), daily buffet breakfast, Tokyo metropolitan train pass and a half day city tour with a plenty of free time to explore the city on your own.

Cost per student: $5,150 (subject to change)
Pre-departure sessions: (6 sessions):
  On-ground sessions
    Session 1-3: May 26th (T), May 27th (W) May 29th (F) 4:30PM-7:30PM
  Online sessions
    Session 4: June 30th (Sat) – June 5th (Fri)
    Session 5: June 6th (Sat) - June 12th (Fri)
    Session 6: June 13th (Sat) – June 19th (Fri)

Tokyo sessions:
  June 20th, Saturday (leaving US) – June 28th, Sunday (leaving Japan)
  (7 nights in Japan)
Post session:
  July 11th (Sat) - July 19th (Sun) (Online)

Textbooks/Readings

Required textbook

Course requirements/Activities

Class participation/ assignment: You are required to actively participate in class discussions, online activities, project presentations and questions and answer sessions. Your preparation for the class and active contribution to the class constitutes an essential part of the learning activity in the course. For each pre-session, you need to read the assigned chapter of the textbook and post 500-700 word responses 1-2 page) online to the STUDY QUESTIONS in the chapter.
Cognitive video analyses: You will complete two cognitive video analyses. For the first cognitive video analysis, you will videotape your interaction with your student(s) or your teaching in front of students, present your video/analysis and reflect on rooms for improvement and write up your analysis of the interaction in reference to class discussions and cognitive theories/research. (The written analysis is due after the session.) For the second cognitive video analysis, you will watch an experienced teacher's teaching (meritage —or consensus building) online and write up an analysis in reference to cognitive theories/research discussed in class. More detailed guidelines will be given to you in class.

Mid-term exam: There will be a mid-term exam that is take-home, open-textbook, essay style. You are expected to give clear and insightful answers to the exam questions based on our class discussions and readings.

Final project (Cognitive action research project): You will conduct a cognitive action research project with one student by making use of your understanding of the key cognitive research/theories. First, you will identify a student with a certain learning needs, identify the needs (interview, observation, etc.) stipulate your action research question, design a cognitive action research study, and submit a 2-4 page proposal of your project. After receiving feedback from your peers/instructor, you will actually conduct the study (at least two phases — at least one phase before the Japan session), submit the final paper, and present your project in class. More detailed guidelines will be given in class.

<table>
<thead>
<tr>
<th>Tentative schedule</th>
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<tbody>
<tr>
<td>Date</td>
</tr>
<tr>
<td>Session 1-3 (On-ground)</td>
</tr>
</tbody>
</table>
| 5/26 (T) | Introduction: overview of the course  
Philosophical foundations of cognitive studies  
Theory and You: Construction of meaning  
Action research methodology and epistemology  
Cognitive action research project guideline is handed out  
Cognitive video analysis (#1 and #2) guideline is handed out | Inoue (2012) Chap.1  
Klirp (2006) |
| 5/27 (W) | Behaviorism  
Contingency and self-regulated learning  
Limitations of behaviorism  
Cognitive video analysis #1 presentation sign-up sheet is given | Inoue (2012) Chap.2  
Skinner (1974)  
Chomsky (1959) |
| 5/29 (F) | Problem solving in classrooms  
Variability in thinking  
Cognitive strategies and meta-cognition  
Brain, cognition and uncertainty  
Contingency, qualia, and mirror neurons  
Society of mind  
Cognitive video analysis (#1) presentation #1  
Japan Travel Orientation | Inoue (2012) Chap. 3, 4  
Siegler (1996)  
Jeffer (2007)  
Minski (1986)  
Carter (1998) |
| 6/30-6/5 (online) | Piaget's theory of cognitive development  
Cognitive constructivism  
Theorizing in reality  
Radical constructivism  
Lesson study | Inoue (2012) Chap. 5  
Karmiloff-Smith (1974)  
Lewis (2002)  
Sahlberg (2011)  
Piaget (1961) |
Comparative studies on cognition and learning
Cognitive video analysis (#1) presentation #2
- Mid-term Exam is handed out

6/6-6/12
(online)
Vygotskian/neo-Vygotskian theories
Social constructivism
Human cognition and the society
Motivation to learn
Learning Identity, belief and cognition
Cognitive video analysis (#1) presentation #3
Mid-term Exam due

Inoue (2010)
Inoue (2012) Chap. 6, 7
Luria (1979)
Ded (1995)
Dweck (2000)
Saxe (1992)

6/13-6/19
(online)
Cognition and personal development
Language and cognition
Self-concept and culture
Social and personal development and cognition
Action Research and cognition
Culture and cognition
Cognitive video analysis (#1) presentation #4
Cognitive video analysis #2 due

Inoue (2012) Chap. 8, 9
Hamilton (2010)
Bruner (1983)
Anderson et al (1996)
Nelson (1981)

Japan Travel
Saturday, June 20th (leaving US) – Sunday June 28th (leaving Japan)

Cross-cultural Action Research Symposium at Waseda University
Seminars about Japanese education
Classroom observations at a Japanese elementary school
Teaching in an elementary school
Lesson study with Japanese teachers
Dialogues with Japanese teachers and principles
Tokyo cultural tour
Daily reflection meetings

Post-session

7/11-7/17
(online)
Cognitive Action Research Presentations

7/19
Final paper due (online)

Accommodations (housing, transportation and meals)
Housing: Keio Plaza Hotel (7 nights, breakfast included)
Transportation: Tokyo Seibu Ikebukuro Line (commuter train)
Meals: Each student choose own lunch/dinner (except welcoming dinner/party)
## Schedule in Tokyo (Draft)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/20</td>
<td>TBA</td>
<td>Departure from San Diego or LAX</td>
</tr>
</tbody>
</table>
| 7/21  | TBA 8:30PM    | Arrival at Tokyo-Narita International Airport  
Meet at the hotel lobby and dinner |
|       | 8AM           | Meet at the hotel lobby  
- *Walk JR Shinjuku Station for 8:30AM train*                            |
|       | 9AM           | Arrival at Waseda University (Waseda Campus)  
Self-introductions             |
|       | 10AM-12PM     | Action Research Presentations & Discussions I                             |
| 7/22  | 12AM – 1PM    | Lunch                                                                      |
|       | 1PM-3PM       | Action Research Presentations & Discussions II                            |
|       | 3PM-3:15PM    | Break                                                                      |
|       | 3:15PM-4:15PM | Waseda University Campus tour                                             |
| 7/23  | 9AM           | Meet at the hotel lobby                                                   |
|       | 9:30AM        | Tokyo Cultural Tour (Half day)  
- Meiji Jingū Shrine  
- Imperial Palace  
Asakusa Sensoji |
|       | Free afternoon – Enjoy Tokyo!                                      |
| 7/24  | 9:30PM        | Coffee bar meeting/reflection (Required)  
- Café la Voie                                                                |
|       | 8:30AM        | Meet at the hotel lobby  
- *Walk to Seibu Shinjuku Station for 9:01AM train*                      |
<p>|       | 10AM          | Arrival at Tokorozawa Elementary School                                    |
|       | 10:15AM-10:30AM | Principal’s Introduction to Tokorozawa Elementary School                 |
|       | 10:45AM-11:30AM | Class observation                                                        |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>11:36AM-12:20PM</td>
<td>Teaching a 5th grade lesson on American culture/language</td>
</tr>
<tr>
<td>12:20PM-1:05PM</td>
<td>Lunch (School lunch in each classroom)</td>
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<tr>
<td>1:05PM-1:30PM</td>
<td>Cleaning/recess</td>
</tr>
<tr>
<td>1:40PM</td>
<td>Arrive at Tokorozawa City Teacher Development Center</td>
</tr>
<tr>
<td>1:45PM – 4:30PM</td>
<td>Lectures/discussions on teacher development in Japan</td>
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<tr>
<td>4:30PM – 5:30PM</td>
<td>Reflections/announcements</td>
</tr>
<tr>
<td>6:00PM –</td>
<td>Welcoming party</td>
</tr>
<tr>
<td>8:00AM</td>
<td>Meet at the hotel lobby</td>
</tr>
<tr>
<td>8:35AM-9:40AM</td>
<td>- Walk to Seibu Shinjuku Station for 8:17AM train</td>
</tr>
<tr>
<td>9:15AM</td>
<td>Arrival at Tokorozawa Elementary School</td>
</tr>
<tr>
<td>9:35AM-10:20AM</td>
<td>Observation of 5th grade math teaching</td>
</tr>
<tr>
<td>10:45AM-12:20PM</td>
<td>Lesson study I with Japanese students</td>
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<tr>
<td>12:20PM-1:05PM</td>
<td>Lunch (School lunch in each classroom)</td>
</tr>
<tr>
<td>1:05PM-1:25PM</td>
<td>Cleaning/recess</td>
</tr>
<tr>
<td>1:30PM – 3PM</td>
<td>Lesson study II (Lesson analysis and preparing for presentation)</td>
</tr>
<tr>
<td>3PM – 3:45PM</td>
<td>Reflection with Japanese teachers</td>
</tr>
<tr>
<td>7/25 (Th)</td>
<td>Free day – Enjoy Tokyo!</td>
</tr>
<tr>
<td>9:30PM</td>
<td>Coffee bar meeting/reflection (Optional)</td>
</tr>
<tr>
<td></td>
<td>- Café la Voile</td>
</tr>
<tr>
<td>7/26 (F)</td>
<td>Free day – Enjoy Tokyo!</td>
</tr>
<tr>
<td>9PM</td>
<td>Coffee bar meeting/reflection (required)</td>
</tr>
<tr>
<td></td>
<td>- Café la Voce + Farewell party</td>
</tr>
<tr>
<td>7/27 (Sat)</td>
<td>Free day – Enjoy Tokyo!</td>
</tr>
<tr>
<td>11AM</td>
<td>Check out the hotel/leave the luggage at the front desk</td>
</tr>
<tr>
<td></td>
<td>Departure from Tokyo</td>
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</tbody>
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