

**2017 Summer Course and American Cultural Experience from Fu Jen Catholic University to Catholic University of America (CUA)**  
**Detailed Travel and Study plan in USA, June 26 ~ July 18, 2017**

Date		Schedule
26 Jun	Mon	Departure from Taiwan: Arrival at Washington D.C.
27	Tue	Introduction to Opus Hall ~ Residence in the Campus and Surroundings.
28 June	Wed	<b>Morning Breakfast in Basilica Canteen and Campus Tour.</b> <b>Lecture #1 (10:00-12:30)</b> Intro. and Course Overview: Brief overview of prerequisites for the course <b>(A)(B) Intelligent Robotic Systems</b> <b>Instructor: Dean Prof. Charles Nguyen (CUA), USA</b>
29 June	Thu	<b>City Tour:</b> Group Tour of Capitol Building and Library of Congress. Lunch in the canteen of 2 <sup>nd</sup> floor. Exposure to American Culture <b>(EAC)</b>
30 June	Fri	<b>Lecture #2 (10:00-12:30)</b> <b>(A)(B) Fundamental of Robotics (Coordinate Transformations, etc)</b> <b>Instructor: Dean Prof. Charles Nguyen (CUA), USA</b>
1 July	Sat	<b>City Tour:</b> The American Independence Day Parade and Celebration in DC. <b>Evening fireworks in-front of the Capitol building. (EAC)</b>
2 July	Sun	<b>City Tour:</b> Group~ Join the Catholic “Mass” celebration in the Basilica of Immaculate Conception. Tour of the Basilica.
3 July	Mon	<b>Lecture #3 (10:00-12:30)</b> <b>(A)(B) Robot Kinematics (Forward and Inverse)</b> <b>Instructor: Dean Prof. Charles Nguyen (CUA), USA</b>
4 July	Tue	<b>City Tour:</b> Air and Space Museum. <b>(EAC)</b> <b>Afternoon:</b> Visit the Abraham Lincoln Memorial Hall.
5 July	Wed	<b>Lecture # 4 (10:00-12:30)</b> <b>(A) Robot Control (Force and position control, control scheme)</b> <b>Instructor: Dean Prof. Charles Nguyen (CUA), USA</b> <b>(B) Basic principle of image modality</b> <b>Instructor: Dr. Paul Wang, (Howard U.), USA</b> ● <b>Lab hour in the afternoon</b> <b>(A) Robotic lab. (CUA)</b> <b>(B) Optical image lab. (Howard U.)</b>
6 July	Thu	<b>City Tour:</b> Holocaust Memorial Museum, Vietnam War Memorial & Washington Monument (EAC)
7 July	Fri	<b>Lecture # 5 (10:00- 12:30)</b> <b>(A)(B) General Applications for Robots (Industry, Space, and Medical robot)</b> <b>Instructor: Dean Prof. Charles Nguyen (CUA), USA</b>
8 July	Sat	<b>City Tour:</b> National Gallery of Art ~ Georgetown & International Spy Museum (EAC)
9 July	Sun	<b>City Tour:</b> Visiting TWIN Oaks (Taiwan Embassy) <b>Alumni Seminar in the Evening.</b>
10 July	Mon	<b>Lecture # 6 (10:00-12:30)</b> <b>(A) Other Applications of Intelligent Robotics</b> <b>Instructor: Dean Prof. Charles Nguyen (CUA), USA</b> <b>(B) Magnetic resonance imaging (MRI)</b> <b>Instructor: Dr. Paul Wang, (Howard U.), USA</b>

		<ul style="list-style-type: none"> <li>● <b>Lab hour in the afternoon</b></li> <li>(A) <b>Robotic lab. (CUA)</b></li> <li>(B) <b>Optical image lab. (Howard U.)</b></li> </ul>
11 July	Tue	<b>City Tour:</b> Visit to the OUTLET and shopping. Gathering with the FJU and CYCU Alumni in Washington DC area.
12 July	Wed	<b>Course #7 (10:00-13:30)</b> <b>Final Group Presentation and Farewell Party in Pangborn Hall.</b> Final day to show our gratitude to the Faculty and staff of CUA.
13 July	Thu	Leave for 5-days tour (Travel Agent Guidance and area of interest.) Washington D.C. → Philadelphia → Boston → New York City
14 July	Fri	Boston Harvard University; MIT;
15 July	Sat	Philadelphia; Princeton University
16 July	Sun	New York City
17 July	Mon	Statue of Liberty, Wall Street, Financial center and the Grand building.
18 July	Tue	Departure from the US.

**Training Session:** 3/12, 3/19, 3/26, 5/7, 5/14, 5/21, 5/28, 6/4; Saturday morning (Syllabus/Outline to be provided by Prof. Chiang)

**Accommodation:** 6/28-7/12 in CUA; 17 nights stay in Opus Hall; 7/16-7/20 Tour