2012 REU Schedule

# Week 1

## Saturday, May 12 thru Sunday, May 13

Students arrive, airport pickup, check-in at Knights Circle

## Sunday, May 13

6:00pm – 7:00pm Introduction to MATLAB with Gonzalo Vaca & Waqas Sultani (HEC 101)

## Monday, May 14

8:30am – 9:00am Students check in with Cherry Place (HEC 247E)

 Complete paperwork with Gonzalo Vaca (HEC 249)

9:00am – 11:00am REU Kickoff (HEC 101)

 Each participant has 5 minutes to introduce him/herself

 Introduction of graduate student mentors

 Introduction to REU program by Dr. Mubarak Shah

11:50am – 12:00pm Bonnie Swan (HEC 101)

12:00pm – 1:00pm Lunch at the Marketplace with Gonzalo Vaca & Waqas Sultani

1:00pm – 4:00pm Computer Vision Introduction (HEC 101)

## Tuesday, May 15

9:00am – 10:00am MATLAB Tutorial with Gonzalo Vaca (HEC 101)

10:00am – 12:00pm RGB, Derivatives, Pyramids, Optical Flow (HEC 101)

12:00pm – 1:00pm Lunch

1:00pm – 4:00pm Edge detection and SIFT with Dr. Niels Lobo (HEC 101)

4:00pm – 5:00pm MATLAB SIFT with Gonzalo Vaca (HEC 101)

## Wednesday, May 16

9:00am – 10:00am MATLAB continued with Gonzalo Vaca (HEC 113)

10:00am – 12:00pm Adaboost and SVM with Dr. Niels Lobo & Gonzalo Vaca (HEC 113)

12:00pm – 1:00pm Lunch

1:00pm – 2:00pm SVM with Dr. Niels Lobo (HEC 113)

2:00pm – 5:00pm MATLAB Adaboost and SVM wrapper with Gonzalo Vaca (HEC 113)

## Thursday, May 17

9:00am – 10:00am MATLAB continued with Gonzalo Vaca (HEC 113)

10:00am – 12:30pm Bag of Features with Dr. Mubarak Shah (HEC 113)

12:30pm – 1:30pm Lunch

3:00pm – 6:00pm MATLAB Kmeans, Spatial Pyramid Bag of Features with Gonzalo Vaca (HEC 113)

## Friday, May 18

9:00am – 10:00am Finish up programming assignments & prepare first report (HEC 248)

10:00am – 12:00pm Face Recognition and Visual Lip Reading with Dr. Shah (HEC ???)

12:00pm – 1:00pm Lunch

1:00pm – 3:00pm Graduate student presentations of potential projects (HEC 113)

3:00pm – 5:00pm Reporting (HEC 113)