2013 REU Schedule

# Week 1

## Monday, May 13 thru Tuesday, May 14

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

## Tuesday, May 14

2:30pm – 3:15pm Bonnie Swan (HEC 103)

3:15pm – 5:30pm MATLAB with Gonzalo Vaca(HEC 103)

## Wednesday, May 15

8:30am – 9:00am Students check in with Brittanny Kaval (HEC 245) Gonzalo Vaca (HEC 249)

9:00am – 11:00am REU Kickoff (HEC103)

Each participant has 5 minutes to introduce him/herself

Introduction of graduate student mentors

Introduction to REU program by Dr. Mubarak Shah

11:00am – 12:00pm Dr. Shah (HEC 103)

Computer Vision Introduction <http://www.youtube.com/watch?v=715uLCHt4jE&list=PLd3hlSJsX_Imk_BPmB_H3AQjFKZS9XgZm&index=1>

12:00pm – 1:00pm Lunch (HEC 103)

1:00pm – 4:00pm Dr. Shah (HEC 103)

Filtering <http://www.youtube.com/watch?v=1THuCOKNn6U&list=PLd3hlSJsX_Imk_BPmB_H3AQjFKZS9XgZm&index=2>

Edge Detection (<http://www.youtube.com/watch?v=lC-IrZsdTrw&list=PLd3hlSJsX_Imk_BPmB_H3AQjFKZS9XgZm&index=3>)

4:00pm – 5:00pm MATLAB Tutorial with Gonzalo Vaca (HEC 103)

## Thursday, May 16

9:00am – 12:00am Homework revision (HEC 103)

12:00pm – 1:00pm Lunch

1:00pm – 4:00pm SIFT with Dr. Niels Lobo (HEC 103)

4:00pm – 5:00pm MATLAB SIFT with Gonzalo Vaca (HEC 103)

## Friday, May 17

9:00am – 10:00am MATLAB continued with Gonzalo Vaca (HEC 103)

10:00am – 12:00pm Adaboost with Dr. Niels Lobo (HEC 103)

12:00pm – 1:00pm Lunch

1:00pm – 2:00pm SVM with Dr. Niels Lobo (HEC 103)

2:00pm – 5:00pm MATLAB Adaboost and SVM wrapper with Gonzalo Vaca (HEC 103)

# Week 2

# Monday, May 20

9:00am – 10:00am Homework Reporting (HEC 103)

10:00am – 12:30pm Optical Flow with Dr. Mubarak Shah (HEC 103)

<http://www.youtube.com/watch?v=5VyLAH8BhF8&list=PLd3hlSJsX_Imk_BPmB_H3AQjFKZS9XgZm&index=8>

12:30pm – 1:30pm Lunch

3:00pm – 6:00pm MATLAB Kmeans, Bag of Features, Spatial Pyramid Bag of Features with Gonzalo Vaca (HEC 103)

## Tuesday, May 21

9:00am – 10:00am Homework (HEC 103)

10:00am – 12:00pm Bag of Features with Dr. Shah (HEC 103)

<http://www.youtube.com/watch?v=iGZpJZhqEME&list=PLd3hlSJsX_Imk_BPmB_H3AQjFKZS9XgZm&index=19>

12:00pm – 1:00pm Lunch

1:00pm – 3:00pm Graduate student presentations of potential projects (HEC 103)

## Wednesday, May 22 thru Friday, May 24

REU Students will get involved with proposed projects and they will choose the project to work on during the summer

## Friday, May 24

9:00am – 10:00am Finish up programming assignments & prepare first report (HEC 103)

3:00pm – 5:00pm First report (HEC 103)