

# MSc Human Media Interaction (HMI) 2016-2017

Programme mentor: prof.dr. D.K.J. Heylen

Date registration BOZ: \_\_\_\_\_

Year enrollment MSc HMI: \_\_\_\_\_

Name student: \_\_\_\_\_

Student number: \_\_\_\_\_

## CORE COURSES

- |                                     |           |   |       |
|-------------------------------------|-----------|---|-------|
| <input checked="" type="checkbox"/> | 192166100 | Human Media Interaction Project   | 10 EC |
| <input type="checkbox"/>            | 191612680 | Computer Ethics ( <i>Mandatory for all students except UT BSc Creative technology</i> ) | 5 EC  |

## **TECHNIQUES TO BUILD (SOCIAL) INTELLIGENT INTERACTIVE SYSTEMS** (at least 20 EC including 1 or more advanced projects)

### *General techniques*

- |                          |           |   |      |
|--------------------------|-----------|---|------|
| <input type="checkbox"/> | 201600070 | Basic Machine Learning  | 5 EC |
| <input type="checkbox"/> | 201600071 | Advanced Machine Learning ( <i>counts as Advanced Project</i> ) | 5 EC |
| <input type="checkbox"/> | 191210910 | Image Processing and Computer Vision                            | 5 EC |
| <input type="checkbox"/> | 201100254 | Advanced Computer Vision and Pattern Recognition                | 5 EC |

### *Sensing technology/human signal processing/interactive systems*

- |                          |           |  |      |
|--------------------------|-----------|--|------|
| <input type="checkbox"/> | 201600073 | Affective Computing                        | 5 EC |
| <input type="checkbox"/> | 201600074 | Natural Language Processing                | 5 EC |
| <input type="checkbox"/> | 201600075 | Speech Processing                          | 5 EC |
| <input type="checkbox"/> | 201600076 | Foundations of Information Retrieval       | 5 EC |
| <input type="checkbox"/> | 201600077 | Conversational Agents                      | 5 EC |
| <input type="checkbox"/> | 201600078 | Brain Computer Interfaces                  | 5 EC |
| <input type="checkbox"/> | 201600079 | Trends in Human Robot Interaction Research | 5 EC |

### *Advanced research projects*

- |                          |           |  |      |
|--------------------------|-----------|--|------|
| <input type="checkbox"/> | 201600080 | ARP in Affective Computing                       | 5 EC |
| <input type="checkbox"/> | 201600081 | ARP in Natural Language Processing               | 5 EC |
| <input type="checkbox"/> | 201600082 | ARP in Speech Processing                         | 5 EC |
| <input type="checkbox"/> | 201600083 | ARP in Information Retrieval                     | 5 EC |
| <input type="checkbox"/> | 201600084 | ARP in Conversational Agents                     | 5 EC |
| <input type="checkbox"/> | 201600085 | ARP in Brain Computer Interfaces                 | 5 EC |
| <input type="checkbox"/> | 201600086 | ARP in Human Robot Interaction                   | 5 EC |
| <input type="checkbox"/> | 201100254 | Advanced Computer Vision and Pattern Recognition | 5 EC |
| <input type="checkbox"/> | 201300074 | REDI   | 5 EC |

## **HUMAN COMPUTER INTERACTION AND DESIGN COURSES**

- |                          |           |                                   |      |
|--------------------------|-----------|-----------------------------------|------|
| <input type="checkbox"/> | 201600087 | Designing Interactive Experiences | 5 EC |
| <input type="checkbox"/> | 201000113 | User Centered Design of New Media | 5 EC |
| <input type="checkbox"/> | 201100126 | Human Computer Interaction        | 5 EC |

## ELECTIVES

- |       |       |          |
|-------|-------|----------|
| _____ | _____ | _____ EC |
| _____ | _____ | _____ EC |
| _____ | _____ | _____ EC |
| _____ | _____ | _____ EC |
| _____ | _____ | _____ EC |
| _____ | _____ | _____ EC |

## **GRADUATION**

- |                                     |           |                                       |       |
|-------------------------------------|-----------|---------------------------------------|-------|
| <input checked="" type="checkbox"/> | 192199508 | Research Topics                       | 10 EC |
| <input checked="" type="checkbox"/> | 192199978 | Graduation Project / Final Assignment | 30 EC |

Total at least 120 EC: \_\_\_\_\_

Comments: \_\_\_\_\_

Signature prof.dr. D.K.J. Heylen: \_\_\_\_\_

Signature student: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_