

YAŞAR UNIVERSITY DEPARTMENT OF COMPUTER ENGINEERING
2016-2017 PhD PROGRAM CURRICULUM

| Semester 1 | | | | | |
|-------------------------------|-----------------------------|---|---|-----------|-----------|
| UFND 500 | Research Methods and Ethics | 3 | 0 | 3 | 8 |
| COMP 6XX | Elective 1 | 3 | 0 | 3 | 8 |
| COMP 6XX | Elective 2 | 3 | 0 | 3 | 8 |
| COMP 6XX | Elective 3 | 3 | 0 | 3 | 8 |
| Total Semester Credits | | | | 12 | 32 |

| Semester 2 | | | | | |
|-------------------------------|---|---|---|----------|-----------|
| COMP 600 | Philosophy of Computing and Information | 3 | 0 | 3 | 8 |
| COMP 6XX | Elective 4 | 3 | 0 | 3 | 8 |
| COMP 6XX | Elective 5 | 3 | 0 | 3 | 8 |
| COMP 690 | Seminar | 0 | 0 | 0 | 4 |
| Total Semester Credits | | | | 9 | 28 |

| Semester 3 | | | | | |
|-------------------------------|--------|---|---|----------|-----------|
| COMP 699 | Thesis | 0 | 0 | 0 | 30 |
| Total Semester Credits | | | | 0 | 30 |

| Semester 4 | | | | | |
|-------------------------------|--------|---|---|----------|-----------|
| COMP 699 | Thesis | 0 | 0 | 0 | 30 |
| Total Semester Credits | | | | 0 | 30 |

| Semester 5 | | | | | |
|-------------------------------|--------|---|---|----------|-----------|
| COMP 699 | Thesis | 0 | 0 | 0 | 30 |
| Total Semester Credits | | | | 0 | 30 |

| Semester 6 | | | | | |
|-------------------------------|--------|---|---|----------|-----------|
| COMP 699 | Thesis | 0 | 0 | 0 | 30 |
| Total Semester Credits | | | | 0 | 30 |

| Semester 7 | | | | | |
|-------------------------------|--------|---|---|----------|-----------|
| COMP 699 | Thesis | 0 | 0 | 0 | 30 |
| Total Semester Credits | | | | 0 | 30 |

| Semester 8 | | | | | |
|-------------------------------|--------|---|---|----------|-----------|
| COMP 699 | Thesis | 0 | 0 | 0 | 30 |
| Total Semester Credits | | | | 0 | 30 |

Total **240**

| ELECTIVE COURSES | | | | | |
|------------------|---|---|---|----|------|
| Code | Name | T | A | YC | ECTS |
| COMP 602 | Advanced Theory of Computation | 3 | 0 | 3 | 8 |
| COMP 603 | Advanced Algorithm Design | 3 | 0 | 3 | 8 |
| COMP 611 | Parallel Computer Architectures | 3 | 0 | 3 | 8 |
| COMP 617 | Advanced Parallel Programming | 3 | 0 | 3 | 8 |
| COMP 627 | Advanced Topics in Computer Graphics | 3 | 0 | 3 | 8 |
| COMP 634 | Functional Programming | 3 | 0 | 3 | 8 |
| COMP 635 | Computational Algebraic Number Theory | 3 | 0 | 3 | 8 |
| COMP 638 | Computer Forensics | 3 | 0 | 3 | 8 |
| COMP 648 | Machine Learning | 3 | 0 | 3 | 8 |
| COMP 658 | Modern Heuristics | 3 | 0 | 3 | 8 |
| COMP 670 | Advanced Topics in Computer Engineering | 3 | 0 | 3 | 8 |
| COMP 691 | **Guided Research | 0 | 0 | 0 | 4 |