

### Courses in the 1st group

Item	Course Name	Units	Semester	Instructor	Course Link
1	Software Architecture	3	Fall	Prof. Esnaashari	<a href="https://courses.kntu.ac.ir/course/view.php?id=342">https://courses.kntu.ac.ir/course/view.php?id=342</a>
2	Performance Evaluation of Computer Systems	3	Fall	Prof. Tarokh	---
3	Data Mining	3	Fall	Prof. Alizadeh	<a href="https://courses.kntu.ac.ir/course/view.php?id=257">https://courses.kntu.ac.ir/course/view.php?id=257</a>
4	Parallel Processing	3	Spring	Prof. Mousavi Nia	<a href="https://courses.kntu.ac.ir/course/view.php?id=40">https://courses.kntu.ac.ir/course/view.php?id=40</a>
5	Advanced Operating Systems	3	---	---	---
6	Advanced Algorithms	3	---	---	---
7	Advanced Databases	3	Spring	Prof. Farzi	<a href="https://courses.kntu.ac.ir/course/view.php?id=376">https://courses.kntu.ac.ir/course/view.php?id=376</a>

### Courses in the 2nd group

Item	Course Name	Units	Semester	Instructor	Course Link
1	Software Project Management	3	---	---	---
2	Software Design Patterns	3	Spring	Prof. Esnaashari	<a href="https://courses.kntu.ac.ir/course/view.php?id=370">https://courses.kntu.ac.ir/course/view.php?id=370</a>
3	Cloud Computing	3	Fall	Prof. Seddighian	<a href="https://courses.kntu.ac.ir/course/view.php?id=137">https://courses.kntu.ac.ir/course/view.php?id=137</a>

4	Advanced Information Retrieval	3	Fall	Prof. Farzi	<a href="https://courses.kntu.ac.ir/course/view.php?id=331">https://courses.kntu.ac.ir/course/view.php?id=331</a>
5	Analytics and Systems of Big Data	3	Fall	Prof. Khasteh	<a href="https://courses.kntu.ac.ir/course/view.php?id=145">https://courses.kntu.ac.ir/course/view.php?id=145</a>
6	Distributed Systems	3	Fall	Prof. Khan Mirza	<a href="https://courses.kntu.ac.ir/course/view.php?id=340">https://courses.kntu.ac.ir/course/view.php?id=340</a>
7	Search Engines and Web Mining	3	---	---	---
8	Advanced Computer Networks	3	Fall	Prof. Ghassemi	<a href="https://courses.kntu.ac.ir/course/view.php?id=8">https://courses.kntu.ac.ir/course/view.php?id=8</a>
9	Business Intelligence	3	---	---	---
10	Decision Support Systems	3	Fall	Prof. Dadkhah	<a href="https://courses.kntu.ac.ir/course/view.php?id=267">https://courses.kntu.ac.ir/course/view.php?id=267</a>
11	IoT: Fundamentals and Applications	3	Spring	Prof. Deh Yadegari/Prof. Seddighian	<a href="https://courses.kntu.ac.ir/course/view.php?id=393">https://courses.kntu.ac.ir/course/view.php?id=393</a>

### Courses in the 3rd group

Item	Course Name	Units	Semester	Instructor	Course Link
1	Any course from other Departments or Faculties	3	---	---	---