**Ankara University**

**Library and Documentation Department**

**OPEN COURSEWARE**

### Study Plan (Working Schedule)

| **Weeks** | **Weekly Topics** |
| --- | --- |
| 1.Week | Introduction to 3D Printing |
|  |
| 2.Week | 3D Printing Technology |
|  |
| 3.Week | FDM Printing |
|  |
| 4.Week | SLA Printing |
|  |
| 5.Week | SLS Printing |
|  |
| 6.Week | 3D softwares |
|  |
| 7.Week | 3D Scanning, Imaging & Reconstruction |
|  |
| 8.Week | Midterm Exam |
|  |
| 9.Week | 3D Printing in veterinary medicine |
| * Educational models |
| 10.Week | 3D Printing in Veterinary Medicine |
| * Presurgical planning |
| * Surgical guides |
| 11.Week | 3D Printing in Veterinary Medicine |
| * Clinical approach – Case spesific modelling |

|  |  |
| --- | --- |
| 12.Week | 3D Printing in Veterinary Medicine |
| * Lab science |
| 13.Week | Bioprinting |
| * Introduction to bioprinting |
| 14.Week | Future of 3D printing in Medicine |
| * Creation of the functional organ models |