## Course Syllabus

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| **Code - Course Title** | **MAT218 - Documentation with LaTeX** |
| **Course Type** | III. SEMESTER |
| **Laboratory + Practice** | 3+0 |
| **ECTS** | **5.0** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Elective Courses |
| **Course Instructor(s)** | PROF. DR. EMRAH AKYAR |

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| **Mode of Delivery** | The mode of delivery of this course is Face to face |
| **Prerequisites** | There is no prerequisite or co-requisite for this course. |
| **Courses Recomended** | BİL151 Fundamentals of Information Technology |
| **Recommended Resources** | Tobias Oetiker, The Not So Short Introduction to LATEX2 H.J. Greenberg, A Simplified Introduction to LaTeX |
| **Work Placement** | N/A |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Fundamentals of Latex. | |
| **Week - 2** | | Document structure. | |
| **Week - 3** | | Formatting commands. | |
| **Week - 4** | | Tables. | |
| **Week - 5** | | Mathematical formulas. | |
| **Week - 6** | | Theorem, proposition etc., symbols. | |
| **Week - 7** | | Theorem, proposition etc., symbols. | |
| **Week - 8** | | Page layout and personal settings. | |
| **Week - 9** | | Graphic in Latex. | |
| **Week - 10** | | Pstricks package and figure-graphicdrawing. | |
| **Week - 11** | | Creation of table of contents, resource and indexing. | |
| **Week - 12** | | Creation of directory of resources with Bibtex. | |
| **Week - 13** | | Arrange a presentation with beamer and seminar. | |
| **Week - 14** | | Some important Latex packages. | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | explain and use TeX and LaTeX. |
| 2 | install and use MikTeX. |
| 3 | write mathematical documents via LaTeX. |

## Sustainable Development Goals

*No content has been provided.*

## Course Theme

*No content has been provided.*

## AKTS Workload

| Activity | Duration (Hour) | Count | Workload |
|---|---|---|---|
| Teorik Derse Katılım | 0 | 0 | 0 |
| Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı) | 0 | 0 | 0 |
| Ödevler | 0 | 0 | 0 |
| Proje - Rapor - Sunum Hazırlama | 0 | 0 | 0 |
| Ara Sınav Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Final Sınavı Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.) | 0 | 0 | 0 |
| Staj Uygulaması | 0 | 0 | 0 |
| | | **Calculated ECTS** | **0** |

## Assessment Method and Passing Requirements

*No content has been provided.*

| Assessment Method and Passing Requirements | Quamtity | Percentage (%) |
|---|---|---|
| 1.Midterm Exam | 1 | 25 |
| Final Exam | 1 | 40 |
| 2.Midterm Exam | 1 | 35 |
| | **Sum (%)** | **100** |