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| COURSE: DESIGN IN ELECTROMAGNETIC COMPATIBILITY | | |
| MASTER: ELECTRONIC SYSTEMS ENGINEERING AND APPLICATIONS | YEAR: 2023-24 | TERM: 2nd |

| WEEKLY PLANNING | | | | | | | | |
|-----------------|---------|----------------------------|-----------------|----------------------------|--|--|-------------|-------------------------------|
| WEEK | SESSION | DESCRIPTION | GROUPS (mark X) | | Special room for session (computer classroom, audio-visual classroom...) | WEEKLY PROGRAMMING FOR STUDENT | | |
| | | | LECTURES | SEMINARS/ LAB ¹ | | DESCRIPTION | CLASS HOURS | HOMEWORK HOURS (Max. 7h week) |
| 1 | 1 | Introduction to EMI-EMC I | X | | | Slides studying. Bibliography and references review | 1,5 | 4 |
| 1 | 2 | Introduction to EMI-EMC II | X | | | Slides studying. Bibliography and references review | 1,5 | |
| 2 | 3 | EMI Coupling I | X | | | Slides studying. Bibliography and references review | 1,5 | 5 |
| 2 | 4 | EMI Coupling II | X | | | Slides studying. Bibliography and references review | 1,5 | |
| 3 | 5 | Design of PCB Layout I | X | | | Slides studying. Bibliography and references review | 1,5 | 5 |
| 3 | 6 | Design of PCB Layout II | X | | | Slides studying. Bibliography and references review | 1,5 | |
| 4 | 7 | Design of PCB Layout III | X | | | Slides studying. | 1,5 | 5 |

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| | | | | | | Bibliography and references review | | | |
| 4 | 8 | Protections: EMI filters (I) | X | | | Slides studying. Bibliography and references review | 1,5 | | |
| 5 | 9 | Protections: EMI filters (II) | X | | | Slides studying. Bibliography and references review | 1,5 | | |
| 5 | 10 | Protections: EMI sprocessors and limiters | X | | | Slides studying. Bibliography and references review | 1,5 | 5 | |
| 6 | 11 | Mixed signal board design example | X | | | Slides studying. Bibliography and references review | 1,5 | | |
| 6 | 12 | PCB design for High Speed | X | | | Slides studying. Bibliography and references review | 1,5 | 5 | |
| 7 | 13 | EMC Standards and Directives | X | | | Slides studying. Bibliography and references review | 1,5 | | |
| 7 | 14 | EMC Lab. | | X | EMC LAB | Slides studying. Bibliography and references review | 1,5 | 5 | |
| ¹ A maximum of 1-2 lab sessions | | | | | | | Subtotal 1 | 21 | 34 |
| Total 1 (Hours of class plus student homework hours between weeks 1-7) | | | | | | | | 55 | |
| 1-7 | | Tutorials etc | | | | | | 10 | |
| 8 | | Final Assessment | | | | Total course slides studying, and Bibliography/References review | 3 | 7 | |
| Subtotal 2 | | | | | | | 3 | 17 | |
| Total 2 (Hours of class plus student homework hours at week 8) | | | | | | | | 20 | |
| TOTAL (Total 1 + Total 2) | | | | | | | | 75 | |