**Course list master Applied Physics**

**For generation 2022 hbo influx**

[Curricula](https://www.utwente.nl/en/ap/education/programme/" \l "curriculum-applied-physics), [Transitional arrangements](https://www.utwente.nl/en/ap/education/programme/#transitional-arrangements) information can be found on the [AP website](https://www.utwente.nl/en/ap/).

**Please submit this form to BOZ-AP before the start of the master’s assignment.**

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| **Name student:** |  |
| **First and middle name:** |  |
| **Student number:** |  |
| **Cohort:** |  |
| **Research group (specialization):** |  |
| **Chair of the research group:** |  |
| **Date:** |  |

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|  | Course code | Course name[[1]](#footnote-1) | EC |
|  | **Premaster** |  |  |
|  | 202001172 | Calculus A for pre-masters | 4 |
|  | 202001178 | Linear Algebra | 3 |
|  | 202001435 | Models for DB and PM | 4.5 |
|  | 202000660 | Introduction to Solid State Physics | 5 |
|  | 202001174 | Calculus B for pre-masters | 3 |
|  | 202200094 | Quantum Mechanics 1 | 5 |
|  | 202001485 | Optica Theory for PM | 4.5 |
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|  | **Total Premaster** | |  |
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|  | **Master General Physics courses (**      **EC, homologation)** | |  |
|  | 202200095 | Hilbert Space | 3 |
|  | 202000682 | Electriciteit en Magnetisme | 5 |
|  | 202000703 | Partial Differential Equations | 2 |
|  | 202000702 | Statistical Physics | 6 |
|  | 202000706 | Electrodynamics | 6 |
|  | 202000705 | Fluid Physics | 7 |
|  | 202300023 | Fluid Physics Theory | 4.5 |
|  | 202300024 | Fluid Physics Practicals | 2.5 |
|  | 202000707 | Numerical Methods for PDE | 2 |
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|  | Course code | Course name | EC |
|  | **Compulsory Master courses (20 EC)** | |  |
|  | 202200093 | Quantum Mechanics 2 | 5 |
|  | 201900080 | Mathematical and Numerical Physics | 5 |
|  | 191470241 | Heat and Mass Transfer | 5 |
|  | 201900282 | Small Signals and Detection | 4 |
|  | 201900281 | Ethics land Cultural Awareness | 1 |
|  | **Specialization courses (19 EC)** | |  |
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|  | **AP related Physics or Technical courses (10 EC)** | |  |
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|  | **Master Compulsary courses (40 EC)** | |  |
|  | 201800344 | Master’s Assignment Physics Aspects | 20 |
|  | 201800345 | Master’s Assignment General Aspects | 20 |
|  | **Master Extra courses** | |  |
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|  |  |  |  |
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|  | **Total Master** | |  |

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| **Motivation for deviation courselist and other remarks:** If your request deviates in any way from the program as indicated on the form or the curriculum of your generation, please fill in a motivation for the Board of Examiners. |
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| **Signatures for approval of the course list** | | |
| Student  Name:  Date: | Chair of the thesis committee[[2]](#footnote-2)  Name:  Date: | Secretary MEX Applied Physics[[3]](#footnote-3)  Name: dr. K. Sotthewes  Date: |

1. Mark only the courses, which should be included in your program. [↑](#footnote-ref-1)
2. Signature to be arranged by the student. The chair of the thesis committee approves the AP specialization section, according to the AP curriculum. [↑](#footnote-ref-2)
3. Signature to be arranged by BOZ The secretary of the MEX AP approves the entire AP courselist. [↑](#footnote-ref-3)