

Module appears in

Master's degree (1 major) Physics International (2020)

Module description

| Module title | | | | Abbreviation |
|---|--|---|--|---|
| Renormalization Group and Critical Phenomena | | | | 11-CRP-Int-201-m01 |
| Module coordinator | | | Module offered by | |
| Managing Dir | rector of the Institute of resics | Theoretical Physics | Faculty of Physics a | and Astronomy |
| ECTS Meth | Method of grading Only after succ. compl. of module(s) | | | |
| 6 nume | erical grade | | | |
| Duration Module level | | Other prerequisites | Other prerequisites | |
| 1 semester graduate | | | | |
| Contents | | ` | | |
| 4. Phase diag 5. Perturbatio | theory of the renormalization grams and fixed points on-theoretical renormalization | - | | |
| - | rning outcomes | | | |
| sics. Underst quantum fiel | anding of the concept of | f the RG flow with resp | ect to effective field | on group (RG) in statistical phy- theories in both statistical and |
| V (3) + R (1) | number of weekly contact hours | , tanguage in other than de | | |
| Module taugh | nt in: English | | | |
| Method of as | | uage — if other than German, | examination offered — if no | ot every semester, information on whether |
| nutes) or c) o prox. 8 to 10 If a written ex stead take th of assessmer nation date a Language of a | ral examination in group pages) or e) presentation was chosen are form of an oral examination tis changed, the lecturative latest. assessment: English offered: In the semester | os (groups of 2, appro n/talk (approx. 30 mir as method of assessm nation of one candidat er must inform studen | x. 30 minutes per car nutes). ent, this may be cha e each or an oral exa ts about this by four | e candidate each (approx. 30 mindidate) or d) project report (apnged and assessment may inmination in groups. If the method weeks prior to the original examinated and semester |
| Allocation of | places | | | |
| | | | | |
| Additional in | formation | | | |
| | | | | |
| Workload | | | | |
| 180 h | | | | |
| | | | | |
| Teaching cyc | le | | | |



Module description

exchange program Physics (2023) Master's degree (1 major) Physics International (2024)

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