

course time table

Hands-on project to finite element analysis

– summer term 2019 –

PJ: 0530 L 164

| week | | date | | topic (lecturer) | room | time |
|------|----|------|------------|---|----------|-------------|
| CW | LW | day | date | | | |
| 15 | 1 | Mon. | 04/08/2019 | LEC: preliminaries, introduction SMT | MS 107 | 2 to 4 p.m. |
| | | Fri. | 04/12/2019 | LEC: materials in SMT | MS 107 | 2 to 4 p.m. |
| 16 | 2 | Mon. | 04/15/2019 | LEC: materials in SMT, concept of stress (Glane) | BH-N 243 | 2 to 4 p.m. |
| | | Fri. | 04/19/2019 | public holiday , no lecture | | |
| 17 | 3 | Mon. | 04/22/2019 | public holiday , no lecture | | |
| | | Fri. | 04/26/2019 | LEC: stress analysis | MS 107 | 2 to 4 p.m. |
| 18 | 3 | Mon. | 04/29/2019 | LEC: stress analysis continued | MS 107 | 2 to 4 p.m. |
| | | Fri. | 05/03/2019 | LEC: HOOKE's law for isotropic materials, VOIGT's notation | MS 107 | 2 to 4 p.m. |
| 19 | 4 | Mon. | 05/06/2019 | LEC: Anisotropic materials, coordinate transformations | MS 107 | 2 to 4 p.m. |
| | | Fri. | 05/10/2019 | LEC: LAMÉ-NAVIER equations | MS 107 | 2 to 4 p.m. |
| 20 | 5 | Mon. | 05/13/2019 | LEC: time-independent plasticity, VON MISES yield criterion (Glane) | MS 107 | 2 to 4 p.m. |
| | | Fri. | 05/17/2019 | LEC: time-dependent plasticity, hyperbolic law of creep (Glane) | MS 107 | 2 to 4 p.m. |
| 21 | 6 | Mon. | 05/20/2019 | LEC: fatigue analysis and lifetime prediction (Glane) | MS 107 | 2 to 4 p.m. |
| | | Fri. | 05/24/2019 | LEC: finite elements (Glane) | MS 107 | 2 to 4 p.m. |
| 22 | 7 | Mon. | 05/27/2019 | TUT: task catalog (Glane) | MS 107 | 2 to 4 p.m. |
| | | Fri. | 05/31/2019 | TUT: task catalog (Glane) | MS 107 | 2 to 4 p.m. |
| 23 | 8 | Mon. | 06/03/2019 | TUT: task catalog (Glane) | MS 107 | 2 to 4 p.m. |
| | | Fri. | 06/07/2019 | midterm screening test | MS 107 | 2 to 4 p.m. |
| 24 | 9 | Mon. | 06/10/2019 | public holiday , no lecture | MS 107 | 2 to 4 p.m. |
| | | Fri. | 06/14/2019 | introduction to projects/ group formation/ exam registration | H 2038 | 2 to 4 p.m. |
| 25 | 10 | Mon. | 06/17/2019 | project consultation | MS 107 | 2 to 4 p.m. |
| | | Fri. | 06/21/2019 | project consultation | MS 107 | 2 to 4 p.m. |
| 26 | 11 | Mon. | 06/24/2019 | 1st intermediate presentations | MS 107 | 2 to 4 p.m. |
| | | Fri. | 06/28/2019 | project consultation | MS 107 | 2 to 4 p.m. |
| 27 | 12 | Mon. | 07/01/2019 | project consultation | MS 107 | 2 to 4 p.m. |
| | | Fri. | 07/05/2019 | project consultation | MS 107 | 2 to 4 p.m. |

continued on next page

| week | | date | | topic (lecturer) | room | time |
|------|----|------|------------|--|--------|-------------|
| CW | LW | day | date | | | |
| 28 | 13 | Mon. | 07/08/2019 | project consultation | MS 107 | 2 to 4 p.m. |
| | | Fri. | 07/12/2019 | 2nd intermediate presentations | MS 107 | 2 to 4 p.m. |
| 29 | | Wed. | 07/17/2019 | submission of project reports | | |
| | | Fri. | 07/19/2019 | final presentations/ oral exams | MS 107 | t. b. a. |