

// Master 2 sciences de la matière – orientation Physique et Chimie Computationnelle: Statistical Physics Curriculum

| S3a: September/October |     |                                     |                                     | S3b: November/December                   |  | S3c: January |                                                                                                                        | S4: Feb.-July                   |  |
|------------------------|-----|-------------------------------------|-------------------------------------|------------------------------------------|--|--------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|--|
| Lundi                  | 8h  |                                     |                                     |                                          |  |              | Physics M2 Winter School (Lyon)<br><br>and / or<br><br>Computational Project<br><br>and / or<br><br>Literature Project | Research Internship (Feb.-July) |  |
|                        | 10h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 14h | Computational Statistical Physics   |                                     |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 16h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
| Mardi                  | 8h  |                                     |                                     | Computational Quantum Physics            |  |              |                                                                                                                        |                                 |  |
|                        | 10h |                                     |                                     | Phase transitions and critical phenomena |  |              |                                                                                                                        |                                 |  |
|                        | 14h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 16h | Computational Statistical Physics   |                                     |                                          |  |              |                                                                                                                        |                                 |  |
| Mercredi               | 8h  | Advanced Statistical Mechanics      |                                     | Computational Quantum Physics            |  |              |                                                                                                                        |                                 |  |
|                        | 10h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 14h | Computational Project: TP SSD       | Nonlinear physics and instabilities |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 16h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
| Jeudi                  | 8h  |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 10h |                                     |                                     | Computational Fluid Dynamics             |  |              |                                                                                                                        |                                 |  |
|                        | 14h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 16h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
| Vendredi               | 8h  |                                     |                                     | Computational Fluid Dynamics             |  |              |                                                                                                                        |                                 |  |
|                        | 10h | Advanced Statistical Mechanics      |                                     | Phase transitions and critical phenomena |  |              |                                                                                                                        |                                 |  |
|                        | 14h |                                     |                                     |                                          |  |              |                                                                                                                        |                                 |  |
|                        | 16h | Nonlinear physics and instabilities |                                     | Computational Quantum Physics            |  |              |                                                                                                                        |                                 |  |