

**ECOLE D'INGENIEURS DE GENEVE**  
**Plan d'études HES, année scolaire 2000-2001**

| Filière                      |      | Mécanique  |    |     |    |     |    |     |    |    |    |  |  |  |  |
|------------------------------|------|--|----|-----|----|-----|----|-----|----|----|----|--|--|--|--|
| Classes                      |      | GM1  |    | GM2 |    |     |    | GM3 |    |    |    |  |  |  |  |
| Disciplines / Options        |      |  |    |     |    | ENE |    | PRO |    |    |    |  |  |  |  |
| Semestres                    |      | 1  | 2  | 3   | 4  | 5   | 6  |     | 5  | 6  |    |  |  |  |  |
| Anglais                      | ANG  | 2  | 2  | 2   |    |     |    | 3   |    |    | 3  |  |  |  |  |
| Français, communication      | FRA  | 2  | 2  |     |    | 2   | 2  | 4   | 2  | 2  | 4  |  |  |  |  |
| Mathématiques, méth.num.     | MTH  | 6  | 6  | 4   | 4  | 2   | 2  | 12  | 2  | 2  | 12 |  |  |  |  |
| Physique                     | PHY  | 4  | 4  | 2   | 2  |     |    | 6   |    |    | 6  |  |  |  |  |
| Aérotechnique                | AER  |  |    |     |    | 4   | 4  | 4   | 4  | 4  | 4  |  |  |  |  |
| Eléments finis               | EFI  |  |    |     |    | 2   | 2  | 2   | 2  | 2  | 2  |  |  |  |  |
| Chauffage, climatisation     | CVE  |  |    |     |    |     |    |     |    |    |    |  |  |  |  |
| Conception CAO               | CAO  | 2  | 2  | 4   | 4  | 2   | 2  | 8   | 2  | 2  | 8  |  |  |  |  |
| Connaissance des machines    | CDM  | 2  | 2  | 2   | 2  | 3   | 3  | 7   | 3  | 3  | 7  |  |  |  |  |
| Connaissance des matériaux   | CMA  | 2  | 2  | 2   | 2  | 2   | 2  | 6   | 2  | 2  | 6  |  |  |  |  |
| Electrotechnique             | ELE  | 2  | 2  | 2   | 2  |     |    | 4   |    |    | 4  |  |  |  |  |
| Energétique appliquée        | ENR  |  |    |     |    | 4   | 4  | 4   | 4  | 4  | 4  |  |  |  |  |
| Gestion de production        | GPR  |  |    |     |    |     |    |     |    |    |    |  |  |  |  |
| Gestion industrielle         | GIN  |  |    |     |    |     |    |     |    |    |    |  |  |  |  |
| Mécanique                    | MEC  | 2  | 2  | 2   | 2  |     |    | 4   |    |    | 4  |  |  |  |  |
| Mécanique des fluides        | MFL  | 2  | 2  | 2   | 2  |     |    | 4   |    |    | 4  |  |  |  |  |
| Méetrologie, acquis. données | MTR  |  |    | 2   | 2  |     |    | 2   |    |    | 2  |  |  |  |  |
| Résistance des matériaux     | RMA  | 2  | 2  | 2   | 2  |     |    | 4   |    |    | 4  |  |  |  |  |
| Robotique                    | ROB  |  |    |     |    |     |    |     |    |    |    |  |  |  |  |
| Systèmes asservis            | SAS  |  |    | 2   | 2  | 2   | 2  | 3   | 2  | 2  | 3  |  |  |  |  |
| Systèmes logiques            | SLO  | 2  | 2  |     |    |     |    | 2   |    |    | 2  |  |  |  |  |
| Technique des fluides        | TFL  |  |    |     |    | 3   | 3  | 3   | 3  | 3  | 3  |  |  |  |  |
| Techniques de fabrication    | FAO  |  |    | 2   | 2  | 4   | 4  | 6   | 4  | 4  | 6  |  |  |  |  |
| Thermodynamique              | THD  |  |    | 4   | 2  |     |    | 3   |    |    | 3  |  |  |  |  |
| Connaissance matériaux, labo | CMAL | 2  | 2  | 2   | 2  |     |    | 4   |    |    | 4  |  |  |  |  |
| Mécanique des fluides, labo  | MFL  | 1  | 1  |     |    |     |    |     |    |    |    |  |  |  |  |
| Physique, labo               | PHYL | 2  | 2  | 2   | 2  |     |    | 4   |    |    | 4  |  |  |  |  |
| Systèmes asservis, labo      | SASL |  |    |     |    | 2   | 2  | 2   | 2  | 2  | 2  |  |  |  |  |
| Systèmes logiques, labo      | SLOL | 1  | 1  |     |    |     |    | 1   |    |    | 1  |  |  |  |  |
| Energétique, labo            | ENRL |  |    | 2   |    |     |    | 1   |    |    | 1  |  |  |  |  |
| Projet + option              | PRO  |  |    |     |    | 6   | 6  | 6   | 6  | 6  | 6  |  |  |  |  |
| <b>Total heures classe</b>   |      | 36   | 36 | 36  | 36 | 38  | 38 |     | 38 | 38 |    |  |  |  |  |
| Explications :               | EFI  | analyse numérique par éléments finis                               |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              | MEC  | statique (GM1)   |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              |      | cinématique et dynamique (GM2)                                     |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              |      | vibrations (GM3)   |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              | MTR  | métrologie (GM2)   |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              |      | mesures et acquisition de données (GM3)                            |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              | AER  | aérotechnique, ventilation   |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              | CVE  | chauffage, climatisation, install. électriques                     |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              | TFL  | technique des fluides, réseaux de distribution                     |    |     |    |     |    |     |    |    |    |  |  |  |  |
|                              | SLOL | GM2 : 34 périodes du 28 août au 20 octobre (transitoire 2000-2001) |    |     |    |     |    |     |    |    |    |  |  |  |  |
| Référence :                  |      | doc. des doyens PROJPLET.XLS du 28.1.98                            |    |     |    |     |    |     |    |    |    |  |  |  |  |