



# 3rd Year Materials Engineering

ENPC-GMAT

Amphi 5

|     | 8:00-9:25                                                                            | 9:30-10:55                                                                                | 11:00-12:25                                                                        | 13:30-15:00                                                                        | 15:00-16:30                                                                        |
|-----|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Dim | Amphi 5<br><br><b>Polymere 1</b><br><br>Dr. Bouhank                                  | Amphi 5<br><br><b>Solid State Physics</b><br><br>Prof. Chetibi                            | Amphi 5<br><br><b>Crystallography</b><br><br>Dr. Boutebdja                         | Gmat Laboratories<br><b>Polymer (TP)</b><br>Dr. Bouhank                            | Groupe 01                                                                          |
|     |                                                                                      |                                                                                           |                                                                                    | Prof. Chetibi<br><b>Solid Stat Phy (TP)</b><br>107                                 | Groupe 02                                                                          |
|     |                                                                                      |                                                                                           |                                                                                    | Dr. Boutebdja<br><b>Crystallography (TP)</b>                                       | Groupe 03                                                                          |
| Lun | Amphi 5<br><br><b>Phase transformations</b><br><br>Prof. Hamana                      | Amphi 5<br><br><b>Numerical modeling in materials engineering 1</b><br><br>Mlle Bekkouche | <b>GROUPE 01</b><br><b>Diffusion (TD)</b><br>Dr. Laouer                            | <b>Diffusion (TP)</b><br><br>Gmat Laboratories                                     |                                                                                    |
|     |                                                                                      |                                                                                           | Amphi 5<br><b>GROUPE 02</b><br><b>Heat Transfer (TD)</b><br>Dr. Boudjabi           | <b>Heat transfer (TP)</b><br><br>Gmat Laboratories                                 |                                                                                    |
| Mar | Amphi 5<br><b>GROUPE 01</b><br><b>Solid Stat Physics (TD)</b><br>Prof. Chetibi       | 107<br><b>GROUPE 01</b><br><b>Cristallography (TD)</b><br>Dr. Boutebdja                   | Amphi 5<br><br><b>Phenomena of Diffusion and Heat Transfer</b><br><br>Dr. Boudjabi | <b>Corrosion (TP)</b><br><br>Gmat Laboratories                                     |                                                                                    |
|     | <b>GROUPE 02</b><br><b>Cristallography (TD)</b><br>Dr. Boutebdja                     | <b>GROUPE 02</b><br><b>Solid Stat Physics (TD)</b><br>Prof. Chetibi                       |                                                                                    | <b>Phase Transformations (TP)</b><br><br>Gmat Laboratories                         |                                                                                    |
| Mer | Amphi 5<br><br><b>Phase transformations (TD)</b><br><br>Prof. Hamana / Prof. Hayoune | Amphi 5<br><br><b>Corrosion and Protection of Materials</b><br><br>Prof. Chekroud         | Amphi 5<br><br><b>English</b><br><br>Dr. Ayadi                                     | Language Lab<br><b>GROUPE 01</b><br><b>English</b><br>Dr. Ayadi                    | Computer Room<br><b>GROUPE 01</b><br><b>Numerical modeling 1</b><br>Mlle Bekkouche |
|     |                                                                                      |                                                                                           |                                                                                    | Computer Room<br><b>GROUPE 02</b><br><b>Numerical modeling 1</b><br>Mlle Bekkouche | Language Lab<br><b>GROUPE 02</b><br><b>English</b><br>Dr. Ayadi                    |
| Jeu |                                                                                      | <b>GROUPE 01</b><br><b>Corrosion (TD)</b><br>Prof. Chekroud                               | <b>GROUPE 01</b><br><b>Polymere 1 (TD)</b><br>Dr. Bouhank                          |                                                                                    |                                                                                    |
|     |                                                                                      | <b>Polymere 1 (TD)</b><br>Dr. Bouhank                                                     | Amphi 5<br><b>GROUPE 02</b><br><b>Corrosion (TD)</b><br>Prof. Chekroud             |                                                                                    |                                                                                    |



# 4th Year Materials Engineering

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205

|     | 8:00-9:25                                                        | 9:30-10:55                                                     | 11:00-12:25                                                     | 13:30-15:00                                                   | 15:00-16:30                                             |
|-----|------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------|
| Dim | 205<br><b>Deformation and rupture</b><br><br>Prof. Hayoune       | 205<br><b>Rheology of materials</b><br><br>Dr. Boudchicha      | 107<br><b>Artificial Intelligence</b><br><br>Dr. Karmani        | Groupe 1<br><b>Deformation (TP)</b>                           |                                                         |
|     |                                                                  |                                                                |                                                                 |                                                               |                                                         |
| Lun | 107<br><b>Automation and regulation</b><br><br>Pr. Belarbi       | 205<br><b>Microelectromechanical system</b><br><br>Dr. Sedrati | 107<br><b>Automation and regulation (TD)</b><br><br>Pr. Belarbi |                                                               |                                                         |
| Mar | Groupe 1<br><b>Rheology (TP)</b>                                 |                                                                | 205<br><b>Assembly techniques (TD)</b><br><br>Dr. Boufenghour   | <b>Design and Mechanical manufacturing</b><br><br>Dr. Berkani | <b>Design and Mech Manufact (TD)</b><br><br>Dr. Berkani |
|     | Groupe 2<br><b>MEMS (TP)</b><br><br>Gmat Laboratories            |                                                                |                                                                 |                                                               |                                                         |
| Mer | 205<br><b>Rheology (TD)</b><br><br>Dr. Boudchicha                | 205<br><b>Assembly techniques</b><br><br>Dr. Boufenghour       | 205<br><b>Deformation and ruptur (TD)</b><br><br>Prof. Hayoune  | Groupe 1<br><b>Design and Mech manufac (TP)</b>               |                                                         |
|     |                                                                  |                                                                |                                                                 | Groupe 2<br><b>Assembly techniques (TP)</b>                   |                                                         |
| Jeu | 205<br><b>Communication and scientific ethics</b><br><br>Zeghbid | <b>Research Initiations (Master)</b><br><br>Dr. Laouer         | <b>Startup setup</b><br><br>Zeghbid                             |                                                               |                                                         |



# 4th year Photovoltaics and Solar Energy

ENPC-GMAT

206

|     | 8:00-9:25                                                    | 9:30-10:55                                            | 11:00-12:25                                                   | 13:30-15:00                                                    | 15:00-16:30 |
|-----|--------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------|-------------|
| Dim |                                                              | 206<br><b>Thin film engineering</b><br>Dr. H. Sedrati | 107<br><b>Artificial Intelligence</b><br>Dr. Karmani          |                                                                |             |
| Lun | 107<br><b>Automation and regulation</b><br>Pr. Belarbi       | 206<br><b>Photovoltaic Systems</b><br>Dr. Boudouh     | 107<br><b>Automation and regulation (TD)</b><br>Pr. Belarbi   | Groupe 1<br><b>Thin Films Engen (TP)</b>                       |             |
|     |                                                              |                                                       |                                                               |                                                                |             |
| Mar | 206<br><b>Photothermal (TD)</b><br>Dr. Bouachiba             | 206<br><b>Solar Deposit</b><br>Pr. Kerbache           | 206<br><b>Semiconductor technologies</b><br>Prof. Achour      | Groupe 1<br><b>Solar Deposit (TP)</b>                          |             |
|     |                                                              |                                                       |                                                               | Groupe 2<br><b>Photothermal Sys (TP)</b>                       |             |
| Mer | 206<br><b>Photovoltaic (TD)</b><br>Dr. Boudouh               | 206<br><b>Photothermal Systems</b><br>Dr. Bouachiba   | 206<br><b>Semiconductor Technologies (TD)</b><br>Prof. Achour | Groupe 1<br><b>Semi conductors Tech (TP)</b>                   |             |
|     |                                                              |                                                       |                                                               | Groupe 2<br><b>Photovoltaic Syst (TP)</b><br>Gmat Laboratories |             |
| Jeu | 205<br><b>Communication and scientific ethics</b><br>Zeghbid | <b>Research Initiations (Master)</b><br>Dr. Laouer    | <b>Startup setup</b><br>Zeghbid                               |                                                                |             |

# 5th Year Materials Engineering

ENPC-GMAT

110

|     | 8:00-9:25                                                      | 9:30-10:55                                                     | 11:00-12:25                                                 | 13:30-15:00                                  | 15:00-16:30                                        |
|-----|----------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------|----------------------------------------------------|
| Dim | 110<br><b>Nanomaterials</b><br>Prof. Chetibi                   | 110<br><b>Powder Metallurgy</b><br>Prof. Hayoune               |                                                             | Numerical modeling 2<br>5th Mat              | Numerical modeling 2 (TP)<br>Computer Room 5th Mat |
| Lun | 110<br><b>Nanomaterials</b><br>Prof. Chetibi                   | 110<br><b>Choice of materials</b><br>Dr. Laouer                | 110<br><b>Biomaterials</b><br>Dr. Boudouh                   | Nanomaterials (TP) Groupe 1                  |                                                    |
|     |                                                                |                                                                |                                                             | Powder Metallurgy (TP) Groupe 2              |                                                    |
| Mar |                                                                | 110<br><b>Biomaterials</b><br>Dr. Boudouh                      | 110<br><b>Innovative polymeric materials</b><br>Dr. Bouhank | Innovative polymeric materials (TP) Groupe 1 |                                                    |
|     |                                                                |                                                                |                                                             | Biomaterials (TP) Groupe 2                   |                                                    |
| Mer | 110<br><b>Materials and sources of energy</b><br>Dr. Bouachiba | 110<br><b>Powder Metallurgy</b><br>Prof. Hayoune               | 107<br><b>Technological Project Management</b><br>Idri      | 107<br><b>Module Master</b><br>Dr. Boutebdja |                                                    |
| Jeu |                                                                | 110<br><b>Materials and sources of energy</b><br>Dr. Bouachiba | 107<br><b>Industrial Security</b><br>Dr. Bensouiki          |                                              |                                                    |



# 5th year Photovoltaics and Solar Energy

ENPC-GMAT

Salle 5PhV

|     | 8:00-9:25                                                                                                             | 9:30-10:55                                                                                                                    | 11:00-12:25                                                                                                                        | 13:30-15:00                                                                                                            | 15:00-16:30                                                                                             |
|-----|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Dim |                                                                                                                       | <div>Classes complètes</div> <div>Nanomaterials for energy</div> <div>Dr. Sedrati</div>                                       | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Optimization and maintenance of solar panels</div> <div>Dr. Boudjabi</div> | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Solar Sensors and Instrumentation</div> <div>Dr. Mouatsi</div> | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Solar Sensors (TD)</div> <div>Dr. Mouatsi</div> |
| Lun | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Photovoltaic Conversion Systems</div> <div>Dr. Boudjabi</div> | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Fuel cells</div> <div>Dr. Ghellab</div>                               | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Nanomaterials (TD)</div> <div>Dr. Sedrati</div>                            | <div>Groupe 1</div> <div>Production and storage of hydrogen (TP)</div>                                                 |                                                                                                         |
|     |                                                                                                                       |                                                                                                                               |                                                                                                                                    | <div>Groupe 2</div> <div>Nanomaterials (TP)</div>                                                                      |                                                                                                         |
| Mar | <div>Classes complètes</div> <div>Production and storage of hydrogen</div> <div>Dr. Boudouh</div>                     | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Photovoltaic Conversion Systems (TD)</div> <div>Dr. Boudjabi</div>    | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Fuel Cells (TD)</div> <div>Dr. Ghellab</div>                               | <div>Groupe 1</div> <div>Fuel Cells (TP)</div>                                                                         |                                                                                                         |
|     |                                                                                                                       |                                                                                                                               |                                                                                                                                    |                                                                                                                        |                                                                                                         |
| Mer |                                                                                                                       | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Numerical Modeling in Photovoltaics</div> <div>Pr. Kerbach</div>      | <div>Classes complètes</div> <div>107</div> <div>Technological Project Management</div> <div>Idri</div>                            | <div>Classes complètes</div> <div>107</div> <div>Module Master</div> <div>Dr. Boutebdja</div>                          |                                                                                                         |
| Jeu |                                                                                                                       | <div>Classes complètes</div> <div>Salle 5PhV</div> <div>Numerical Modeling in Photovoltaics (TP)</div> <div>Pr. Kerbach</div> | <div>Classes complètes</div> <div>107</div> <div>Industrial Security</div> <div>Dr. Bensouiki</div>                                |                                                                                                                        |                                                                                                         |