

# Avis aux étudiants L3 GDM

## Mini projet Anglais

Les étudiants doivent préparer le rapport sur deux pages en expliquant d'une manière précise le sujet traité.

Vous trouverez en **page 2 et 3** le thème à traiter pour chaque étudiant.

Le travail doit être remis le **samedi 10/01/2026 lors de l'examen d'Anglais.**

N.B : Au delà de cette date, aucun rapport ne sera accepté.

Le charger de cours M.BILEK

| N° | Nom         | Prénom    | Thème à traiter                                         |
|----|-------------|-----------|---------------------------------------------------------|
| 1  | ACHIR       | ABADARZAK | Sustainable and Recyclable Materials                    |
| 2  | AIT SAID    | NUMIDIA   | Stress–Strain Behavior of Metallic Materials            |
| 3  | AKMOUSSI    | ALI       | Fatigue and Fracture of Materials                       |
| 4  | AMMAM       | HASSANE   | Creep Behavior in High-Temperature Materials            |
| 5  | ATYAMENA    | AMAR      | Elastic and Plastic Deformation                         |
| 6  | AYAD        | RABAH     | Steel Alloys and Their Industrial Applications          |
| 7  | BACHAGHA    | RAYANE    | Heat Treatments of Steels                               |
| 8  | BELKESSAM   | THALLOUTH | Aluminum Alloys in Aerospace Engineering                |
| 9  | BEN AIDRENE | ALDJIA    | Cast Iron: Types, Properties, and Uses                  |
| 10 | BOURDACHE   | SOFIANE   | Corrosion of Metals and Protection Methods              |
| 11 | BOUZOUAR    | MELISSA   | Polymeric Materials in Mechanical Engineering           |
| 12 | CHABNI      | AMINE     | Thermoplastics vs Thermosets                            |
| 13 | CHACHOUA    | YAHIA     | Ceramic Materials: Properties and Applications          |
| 14 | CHAIM       | LYSA      | Composite Materials and Their Advantages                |
| 15 | CHEBALLAH   | RAYANE    | Fiber-Reinforced Composites in Industry                 |
| 16 | DAHMANI     | DRIFA     | Non-Destructive Testing (NDT) Methods                   |
| 17 | FELLAH      | Fatima    | Microstructure Analysis Using Optical Microscopy        |
| 18 | FERHAT      | MASSILVA  | Scanning Electron Microscopy (SEM) in Materials Science |
| 19 | GACEM       | JUBA      | Casting Processes and Defects                           |
| 20 | GHANEM      | Abdelhak  | Welding Techniques and Metallurgical Effects            |
| 21 | GHOZALI     | DACINE    | Powder Metallurgy                                       |
| 22 | GUELMi      | RABAH     | Additive Manufacturing (3D Printing) of Materials       |
| 23 | HADJOU      | THIZIRI   | Smart Materials and Their Applications                  |
| 24 | HAMADACHI   | CHANEZ    | Smart Materials and Their Applications                  |
| 25 | HAMDANI     | KAMAL     | Nanomaterials in Mechanical Engineering                 |

| N° | Nom       | Prénom       | Date de Naissance                                            |
|----|-----------|--------------|--------------------------------------------------------------|
| 1  | HAMI      | RYAN         | Phase Diagrams and Their Importance in Materials Engineering |
| 2  | HAMITI    | RAMDANE      | Crystal Structures of Metals                                 |
| 3  | IMARAZENE | LOUNIS       | Grain Size Effect on Mechanical Properties                   |
| 4  | KAOUANE   | NOUR ELHOUDA | Work Hardening and Recovery Processes                        |
| 5  | KASDI     | SYPHAX       | Surface Engineering and Coatings                             |
| 6  | KORICHE   | MOURAD       | Carburizing and Nitriding Processes                          |
| 7  | LAZRI     | ALYCIA       | The quenching of steels                                      |
| 8  | MAMERI    | ALI          | Surface Wear and Tribology                                   |
| 9  | MANSEUR   | SANDRA       | Oxidation of Metals at High Temperature                      |
| 10 | MEDDOUR   | CHAHINEZ     | Bearings Materials and Lubrication                           |
| 11 | MEGHARI   | RIAD         | High-Performance Materials in Turbomachinery                 |
| 12 | MENHOUK   | KENZA        | Materials for Pressure Vessels                               |
| 13 | NAMANE    | CHAHIRA      | Hardness Testing Methods (Brinell, Rockwell, Vickers)        |
| 14 | OUAMARA   | FAOUZI       | Impact Testing (Charpy and Izod Tests)                       |
| 15 | OUARAB    | MOHAND       | Non-destructive analysis by X-ray diffraction                |
| 16 | SADAoui   | MOURAD       | Life Prediction of Mechanical Components                     |
| 17 | SADOUNI   | LINA         | Lightweight Materials for Mechanical Structures              |
| 18 | SEGHIR    | CHAKEB       | Recycling of Metallic Materials                              |
| 19 | SELAMI    | NACIM        | Materials Challenges in Renewable Energy Systems             |
| 20 | SLAMANI   | RADIA        | Ultrasonic non-destructive testing                           |
| 21 | SMAILI    | KAMEL        | Injection molding                                            |
| 22 | TAGUINE   | THELILI      | Shot peening Process                                         |
| 23 | TAMANI    | FODIL        | Punching technique                                           |
| 24 | TOUIL     | RABAH        | Flame Cutting with Oxy Acetylene                             |
| 25 | ZIANE     | MASSINISSA   | Sustainable and Recyclable Materials                         |
|    |           |              |                                                              |