



**République Tunisienne**  
**Ministère de l'Enseignement Supérieur et de la Recherche Scientifique**  
**Direction Générale des études Technologiques**

**INSTITUT SUPERIEUR DES ETUDES TECHNOLOGIQUES DE KEBILI**

**Parcours: LI576501 Domaine: Sciences Exactes et Technologies Mention: Génie des Procédés Spécialité: Procédés Alimentaires**

**LES UE OBLIGATOIRES : Semestre 2 du Niveau 2 : Groupe d'enseignement GP2**

| Session Principale<br>2021 - 2022 | Biochimie et microbiologie des aliments |      |         |   |                         |      |         |   |  |      |         |      | Technologie alimentaire 1         |      |         |   |                    |    |         |    |                          |      |          |      | Opérations unitaires 2         |      |         |    |                                      |      |          |      |                       |      |          |      | Régulation et maintenance |      |          |    |             |     |         |      |                         |      |         |      | Technique de communication et développement personnel |      |    |      |                          |      |      |      |   |      |      |     |   |      |      |    |      |      |      |      |      |   |      |   |   |
|-----------------------------------|---|------|---------|---|-------------------------|------|---------|---|--|------|---------|------|-----------------------------------|------|---------|---|--------------------|----|---------|----|--------------------------|------|----------|------|--------------------------------|------|---------|----|--------------------------------------|------|----------|------|-----------------------|------|----------|------|---------------------------|------|----------|----|-------------|-----|---------|------|-------------------------|------|---------|------|---|------|----|------|--------------------------|------|------|------|---|------|------|-----|---|------|------|----|------|------|------|------|------|---|------|---|---|
|                                   | Biochimie alimentaire                   |      |         |   | Microbiologie appliquée |      |         |   | Atelier Biochimie et microbiologie appliquée |      |         |      | Atelier technologie alimentaire 2 |      |         |   | Produit céréaliers |    |         |    | Nutrition et toxicologie |      |          |      | Atelier Opérations unitaires 2 |      |         |    | Méthodes de conservation alimentaire |      |          |      | Séchage et absorption |      |          |      | Contrôle et Régulation    |      |          |    | Mini-projet |     |         |      | Utilités et maintenance |      |         |      | Atelier régulation et maintenance                     |      |    |      | Culture entrepreneuriale |      |      |      | Préparation à la certification en Français 22 |      |      |     | Préparation à la certification en anglais 1 |      |      |    |      |      |      |      |      |   |      |   |   |
|                                   | Cr: 2                                   |      | Coef: 1 |   | Cr: 2                   |      | Coef: 1 |   | Cr: 2  |      | Coef: 1 |      | Cr: 1.5                           |      | Coef: 1 |   | Cr: 1.5            |    | Coef: 1 |    | Cr: 1                    |      | Coef: .5 |      | Cr: 2                          |      | Coef: 1 |    | Cr: 1                                |      | Coef: .5 |      | Cr: 1                 |      | Coef: .5 |      | Cr: 1.5                   |      | Coef: .5 |    | Cr: 2       |     | Coef: 1 |      | Cr: 2                   |      | Coef: 1 |      |   |      |    |      |                          |      |      |      |   |      |      |     |   |      |      |    |      |      |      |      |      |   |      |   |   |
|                                   | D                                       | S    | M       | C | D                       | S    | M       | C | TP   | M    | C       | M    | C                                 | TP   | M       | C | D                  | S  | M       | C  | D                        | S    | M        | C    | TP                             | M    | C       | D  | S                                    | M    | C        | D    | S                     | M    | C        | TP   | TP                        | M    | C        | D  | S           | M   | C       | TP   | M                       | C    | M       | C    | D   | S    | M  | C    | D                        | S    | M    | C    | D   | S    | M    | C   | D   | S    | M    | C  | D    | S    | M    | C    | D    | S | M    | C | M |
| SALHI MAKAREM                     | 17.5                                    | 12.5 | 15.5    | 2 | 14.5                    | 19.3 | 16.2    | 2 | 18   | 18   | 2       | 16.6 | 6                                 | 17.5 | 17.5    | 1 | 19                 | 17 | 18.2    | 2  | 18.5                     | 19.5 | 18.9     | 1.5  | 18.3                           | 4.5  | 17      | 17 | 1                                    | 12   | 11.5     | 11.8 | 2                     | 11   | 10       | 10.6 | 2                         | 12.3 | 5.6      | 9  | 11          | 9.8 | 0       | 18   | 15                      | 16.5 | 1       | 16   | 20  | 17.9 | 1  | 13   | 13                       | 1    | 13.4 | 5    | 16.5  | 15.5 | 16.1 | 1.5 | 16.5  | 14.2 | 15.5 | 2  | 18   | 17   | 17.5 | 2    | 16.3 | 2 | 16.5 | 5 |   |
| CHAABANI IBRAHIM                  | 12.7                                    | 8.5  | 10.8    | 2 | 8.5                     | 20.1 | 13      | 2 | 18   | 18   | 2       | 13.9 | 6                                 | 18   | 18      | 1 | 16                 | 15 | 15.6    | 2  | 17                       | 15   | 16.2     | 1.5  | 16.3                           | 4.5  | 16      | 16 | 1                                    | 2    | 6        | 3.6  | 0                     | 3.5  | 7.5      | 5.1  | 0                         | 6.7  | 1.5      | 10 | 7           | 0   | 16.5    | 16.5 | 1                       | 17   | 20.2    | 18.3 | 1   | 14   | 14 | 1    | 12.5                     | 5.7  | 17   | 16.5 | 16.8  | 1.5  | 13   | 10  | 11.5  | 2    | 14   | 16 | 15.3 | 2    | 14   | 15   | 14.8 | 5 |      |   |   |
| HASNA MOUSSA                      | 17.5                                    | 18.5 | 17.9    | 2 | 13                      | 4    | 9       | 0 | 15   | 15   | 2       | 14.1 | 6                                 | 15   | 15      | 1 | Disp               | 12 | 2       | 13 | 17                       | 14.6 | 1.5      | 13.6 | 4.5                            | Disp | 14      | 1  | 8                                    | 7.7  | 7.9      | 0    | Disp                  | 10.7 | 10       | 2    | 10.2                      | 4    | 6        | 8  | 6.8         | 0   | Disp    | 10   | 1                       | Disp | 10      | 1    | Disp  | 12   | 1  | 9.12 | 3                        | Disp | Disp | Disp | 12  | 5    | 12.9 | 5   |   |      |      |    |      |      |      |      |      |   |      |   |   |
| MSADDAK IYED                      | 18.5                                    | 10.5 | 15.3    | 2 | 11.5                    | 19.5 | 14.2    | 2 | 17   | 17   | 2       | 15.6 | 6                                 | 17.5 | 17.5    | 1 | 18                 | 17 | 17.6    | 2  | 15.5                     | 19.1 | 17.1     | 1.5  | 17.3                           | 4.5  | 17      | 17 | 1                                    | 9.25 | 11.5     | 10.1 | 2                     | 10.5 | 11.7     | 11   | 2                         | 11.8 | 5.6      | 7  | 11          | 8.6 | 0       | 18   | 18                      | 18   | 1       | 12   | 20.5  | 15.3 | 1  | 14   | 14                       | 1    | 12.9 | 5.1  | 16  | 15.5 | 15.8 | 1.5 | 16  | 14   | 15   | 2  | 16   | 15.5 | 15.7 | 2    | 15.4 | 5 |      |   |   |
| RAMDHAN CHAIMA                    | 17.5                                    | 10.4 | 14.2    | 2 | 16.2                    | 19.3 | 17.5    | 2 | 17   | 17   | 2       | 16.2 | 6                                 | 17.5 | 17.5    | 1 | 18                 | 16 | 17.2    | 2  | 12                       | 17.5 | 14.2     | 1.5  | 16.0                           | 4.5  | 17      | 17 | 1                                    | 13.5 | 13.5     | 13.5 | 2                     | 9    | 13.5     | 10.8 | 2                         | 13.1 | 2        | 4  | 11          | 6.8 | 0       | 17   | 17                      | 17   | 1       | 10.7 | 20.4  | 14.4 | 1  | 14   | 14                       | 1    | 11.8 | 5.1  | 16.5  | 16.3 | 1.5  | 15  | 12.5  | 13   | 2    | 17 | 16.5 | 16.7 | 2    | 15.3 | 5    |   |      |   |   |
| AMOR JIHEN                        | 16.5                                    | 9.5  | 13.7    | 2 | 8.5                     | 15.1 | 11      | 2 | 16.5   | 16.5 | 2       | 13.7 | 6                                 | 16   | 16      | 1 | 12                 | 16 | 13.6    | 2  | 15                       | 12.5 | 14.1     | 1.5  | 14.2                           | 4.5  | 16      | 16 | 1                                    | 4    | 9.5      | 6.2  | 0                     | 4.75 | 9.45     | 6.0  | 0                         | 8.31 | 1        | 3  | 11          | 6.2 | 0       | 16.5 | 16.5                    | 16.5 | 1       | 10.2 | 20.1  | 14.1 | 1  | 13   | 13                       | 1    | 11.2 | 5.1  | 16.5  | 16.3 | 1.5  | 14  | 12  | 13   | 2    | 14 | 15   | 14.7 | 2    | 14.3 | 5    |   |      |   |   |
| ZAGHDOUD FERYEL                   | 18.5                                    | 9.25 | 14.8    | 2 | 10.2                    | 16.7 | 12.5    | 2 | 16   | 16   | 2       | 14.5 | 6                                 | 16   | 16      | 1 | 17                 | 12 | 15      | 2  | 16.5                     | 19.7 | 17.1     | 1.5  | 16.2                           | 4.5  | 14      | 14 | 1                                    | 6    | 9.5      | 7.4  | 0                     | 9    | 6.75     | 8.1  | 0                         | 9    | 1        | 8  | 8           | 8   | 0       | 5    | 5                       | 5    | 0       | 10   | 18.5  | 13.4 | 1  | 5    | 5                        | 0    | 7.88 | 1    | 16  | 16   | 1.5  | 14  | 13  | 13   | 2    | 17 | 16.5 | 17   | 2    | 15.4 | 5    |   |      |   |   |
| SAHBANI SIRINE                    | 18.5                                    | 0    | 11.1    | 2 | 13.5                    | 17.9 | 14      | 2 | 18.5   | 18.5 | 2       | 14.8 | 6                                 | 18   | 18      | 1 | 18                 | 16 | 17.2    | 2  | 14.5                     | 18.9 | 15.1     | 1.5  | 16.8                           | 4    | 17      | 17 | 1                                    | 7    | 14.5     | 10   | 2                     | 2    | 15       | 7.5  | 0                         | 10.4 | 5        | 4  | 11          | 6.8 | 0       | 17   | 17                      | 17   | 1       | 10.5 | 20.3  | 14   | 1  | 14   | 14                       | 1    | 11.7 | 8    | 16.5  | 16.5 | 1.5  | 15  | 12.5  | 13   | 2    | 15 | 15.2 | 15.5 | 2    | 14.8 | 5    |   |      |   |   |



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LES UE OPTIONNELLES : Semestre 2 du Niveau 2 : Groupe d'enseignement OptGP2S2

| Session Principale<br>2021 - 2022 | Unité optionnelle S3                             |      |   |                               |       |       |   |                |   |
|-----------------------------------|--|------|---|-------------------------------|-------|-------|---|----------------|---|
|                                   | Atelier technologie alimentaire<br>Cr: 2 Coef: 1 |      |   | Bioréacteurs<br>Cr: 2 Coef: 1 |       |       |   | Résultat Unité |   |
|                                   | TP 1   | M    | C | DS 1                          | DC1   | M     | C | M              | C |
| SALHI<br>MAKAREM                  | 12.5   | 12.5 | 2 | 9                             | 11    | 9.8   | 0 | 11.15          | 4 |
| CHAABANI<br>IBRAHIM               | 16   | 16   | 2 | 2                             | 5     | 3.2   | 0 | 9.6            | 2 |
| HASNA<br>MOUSSA                   | 16   | 16   | 2 | 5                             | 1     | 3.4   | 0 | 9.7            | 2 |
| MSADDAK<br>IYED                   | 12.5   | 12.5 | 2 | 10                            | 9.5   | 9.8   | 0 | 11.15          | 4 |
| RAMDHAN<br>CHAIMA                 | 12.5   | 12.5 | 2 | 14.75                         | 15.75 | 15.15 | 2 | 13.82          | 4 |
| AMOR JIHEN                        | 16   | 16   | 2 | 4.75                          | 8     | 6.05  | 0 | 11.02          | 4 |
| ZAGHDOUD<br>FERYEL                | 12.5   | 12.5 | 2 | 5.25                          | 1.5   | 3.75  | 0 | 8.12           | 2 |
| SAHBANI<br>SIRINE                 | 12.5   | 12.5 | 2 | 10                            | 14.25 | 11.7  | 2 | 12.1           | 4 |



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**LES UE OBLIGATOIRES : Semestre 1 du Niveau 2 : Groupe d'enseignement GP2**

| <b>Session Principale<br/>2021 - 2022</b> |      |      | <b>Biochimie et microbiologie</b>            |       |         |      |   |       |           |      |                               |       |         |       | <b>Techniques d'analyse</b> |      |     |                  |       |          |                                    |       |      |          |  |       | <b>Procédés thermiques</b> |         |                                      |                |      |      |                   |       |         |                |       |       | <b>Opération unitaires 1</b>            |       |       |       |  |       |       |                                 |         |       |   |       | <b>Technique de communication et développement personnel</b> |       |                   |       |          |                  |       |      |                                     |       |                |       |                                       |       |      |      |                                   |      |      |       |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
|---|------|------|--|-------|---------|------|---|-------|-----------|------|-------------------------------|-------|---------|-------|-----------------------------|------|-----|------------------|-------|----------|------------------------------------|-------|------|----------|--|-------|----------------------------|---------|--------------------------------------|----------------|------|------|-------------------|-------|---------|----------------|-------|-------|---|-------|-------|-------|--|-------|-------|---------------------------------|---------|-------|---|-------|--|-------|-------------------|-------|----------|------------------|-------|------|-------------------------------------|-------|----------------|-------|---------------------------------------|-------|------|------|-----------------------------------|------|------|-------|-------------------|------|------|------------------|-----|-----|--------------------------|----|-----|---|--------------|--|--|--|---|--|--|--|-------------------|--|--|------------------|--|--|
|   |      |      | <b>Atelier de biochimie et microbiologie</b> |       |         |      | <b>Biochimie enzymatique et métabolique</b> |       |           |      | <b>Microbiologie générale</b> |       |         |       | <b>Crédit : 7</b>           |      |     | <b>Coef: 3.5</b> |       |          | <b>Techniques spectroscopiques</b> |       |      |          | <b>Atelier techniques des analyses</b> |       |                            |         | <b>Techniques chromatographiques</b> |                |      |      | <b>Crédit : 4</b> |       |         | <b>Coef: 2</b> |       |       | <b>Bilans des procédés alimentaires</b> |       |       |       | <b>Atelier simulation des procédés</b> |       |       | <b>Atelier froid industriel</b> |         |       | <b>Froid industriel et technologies</b> |       |  |       | <b>Crédit : 5</b> |       |          | <b>Coef: 2.5</b> |       |      | <b>Atelier opération unitaire 1</b> |       |                |       | <b>Evaporation et cristallisation</b> |       |      |      | <b>Distillation et extraction</b> |      |      |       | <b>Crédit : 4</b> |      |      | <b>Coef: 2.5</b> |     |     | <b>Anglais technique</b> |    |     |   | <b>Droit</b> |  |  |  | <b>Préparation à la certification en français 1</b> |  |  |  | <b>Crédit : 5</b> |  |  | <b>Coef: 2.5</b> |  |  |
|   |      |      | Cr: 2  |       | Coef: 1 |      | Cr: 3                                       |       | Coef: 1.5 |      | Cr: 2                         |       | Coef: 1 |       | Résultat Unité              |      |     | Cr: 1            |       | Coef: .5 |                                    | Cr: 1 |      | Coef: .5 |  | Cr: 2 |                            | Coef: 1 |                                      | Résultat Unité |      |      | Cr: 2             |       | Coef: 1 |                | Cr: 1 |       | Coef: .5                                |       | Cr: 1 |       | Coef: .5                               |       | Cr: 1 |                                 | Coef: 1 |       | Cr: 2                                   |       | Coef: 1  |       | Cr: 1.5           |       | Coef: .5 |                  | Cr: 2 |      | Coef: 1                             |       | Résultat Unité |       |                                       |       |      |      |                                   |      |      |       |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
|   |      |      | TP   | M     | C       | DS   | DCI   | M     | C         | DS   | DCI                           | M     | C       | M     | C                           | DS   | DCI | M                | C     | TP       | M                                  | C     | DS   | DCI      | M                                      | C     | DS                         | DCI     | M                                    | C              | TP   | M    | C                 | DS    | DCI     | M              | C     | DS    | DCI                                     | M     | C     | DS    | DCI                                    | M     | C     | DS                              | DCI     | M     | C                                       | DS    | DCI  | M     | C                 | DS    | DCI      | M                | C     | DS   | DCI                                 | M     | C              | DS    | DCI                                   | M     | C    | DS   | DCI                               | M    | C    | DS    | DCI               | M    | C    | DS               | DCI | M   | C                        | DS | DCI | M | C            |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| SALHI<br>MAKAREM                          | 18.5 | 18.5 | 2  | 14.5  | 12.5    | 13.5 | 3   | 10.25 | 16.5      | 12.5 | 2                             | 14.6  | 7.6     | 11.25 | 10.5                        | 10.7 | 1   | 16.25            | 16.95 | 1        | 7.25                               | 14.95 | 0    | 0        | 11.65                                  | 4.5   | 15.2                       | 15.2    | 15.1                                 | 2              | 15.5 | 15.5 | 1                 | 17.5  | 16.5    | 17.1           | 1     | 15.6  | 5.6                                     | 15.5  | 15.1  | 1     | 14.5                                   | 20.7  | 16.1  | 1                               | 11.5    | 6.5   | 9.5                                     | 0     | 13.14  | 4.4   | 16.5              | 15.5  | 16.2     | 2                | 15.5  | 16.5 | 1.5                                 | 1.5   | 16.5           | 16.25 | 16.5                                  | 2     | 16.5 | 15.5 | 1.5                               | 1.5  | 16.5 | 16.25 | 16.5              | 2    | 16.5 | 15.5             | 1.5 | 1.5 |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| CHAABANI<br>IBRAHIM                       | 17   | 17   | 2  | 11.5  | 8.1     | 10.3 | 3   | 5.10  | 10.7      | 0    | 0                             | 11.19 | 7.9     | 3.10  | 5.8                         | 0    | 0   | 16.75            | 16.35 | 1        | 4.75                               | 13.75 | 8.35 | 0        | 9.62                                   | 1.62  | 17.4                       | 13.5    | 15.1                                 | 2              | 12.5 | 12.5 | 1                 | 15.8  | 12.5    | 9.8            | 0     | 13.62 | 5.2                                     | 16.25 | 16.35 | 1     | 8.3                                    | 10.8  | 5.0   | 0                               | 10.39   | 4.9   | 15.25                                   | 14.35 | 15.8   | 0     | 10.9              | 4.9   | 15.3     | 14.8             | 15.8  | 0    | 11.9                                | 10.8  | 1.4            | 1.4   | 11.5                                  | 15.5  | 1.5  | 1.5  | 11.5                              | 13.5 | 1.5  | 1.5   | 11.5              | 15.5 | 1.5  | 1.5              |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| HASNA<br>MOUSSA                           | 0    | 0    | 0  | 7     | 13      | 9    | 0   | 2.25  | 8.45      | 0    | 0                             | 5.33  | 0.33    | 5.7   | 5.8                         | 0    | 0   | D                | 12    | 1        | 8.75                               | 13.45 | 10.5 | 2        | 9.68                                   | 3.68  | Disp                       | 10.4    | 2                                    | 0              | 0    | 0    | 18.18             | 18.1  | 1       | 1              | 10.4  | 8.68  | 3.68                                    | 16.16 | 16.1  | 2     | 10                                     | 5.2   | 0     | 2                               | 13.6    | 0     | 10.4                                    | 4     | Disp   | Disp  | Disp              | 12.8  | 5.5      |                  |       |      |                                     |       |                |       |                                       |       |      |      |                                   |      |      |       |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| MSADDAK<br>IYED                           | 17   | 17   | 2  | 4.5   | 12.7    | 7.5  | 0   | 11.18 | 13.8      | 2    | 2                             | 12.01 | 7.1     | 11.5  | 12.9                        | 1    | 1   | 16.16            | 16.1  | 1        | 10.25                              | 15.15 | 12.5 | 2        | 13.05                                  | 4.05  | 16.16                      | 16.2    | 16.15                                | 1              | 15.5 | 15.5 | 1                 | 11.14 | 12.4    | 1              | 15.28 | 5.8   | 15.15                                   | 15.1  | 19.19 | 20.4  | 17.1                                   | 17.2  | 15.2  | 2                               | 15.96   | 4.6   | 17.5                                    | 14.7  | 15.5   | 2     | 15.15             | 15.15 | 1.5      | 1.5              | 14.17 | 17.5 | 15.2                                | 15.5  |                |       |                                       |       |      |      |                                   |      |      |       |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| RAMDHAN<br>CHAIMA                         | 17.5 | 17.5 | 2  | 11.5  | 12.7    | 11.3 | 3   | 12.5  | 19.1      | 15.2 | 2                             | 14.33 | 7.3     | 14.75 | 14.05                       | 1    | 1   | 16.16            | 16.1  | 1        | 12.5                               | 14.5  | 13.5 | 2        | 14.01                                  | 4.01  | 17.5                       | 16.1    | 17.1                                 | 2              | 16.5 | 16.5 | 1                 | 15.5  | 15.5    | 1              | 18.18 | 13.16 | 16.1                                    | 16.44 | 5.44  | 15.15 | 15.1                                   | 19.19 | 20.7  | 19.1                            | 20.4    | 13.2  | 17.2                                    | 16.9  | 4  | 16.16 | 15.5              | 2     | 14.15    | 14.5             | 1.5   | 1.5  | 15.15                               | 15.15 | 1.5            | 1.5   | 15.15                                 | 15.2  | 15.2 | 2    | 15.15                             | 15.1 | 1.5  | 1.5   |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| AMOR JIHEN                                | 17.5 | 17.5 | 2  | 15.12 | 13.8    | 9.5  | 3   | 16.5  | 12.7      | 0    | 0                             | 14.37 | 7.7     | 9.5   | 75.8                        | 0    | 0   | 13.13            | 13.1  | 1        | 10.25                              | 13.35 | 11.5 | 2        | 10.92                                  | 4.92  | 12.11                      | 11.6    | 2                                    | 16.18          | 18.1 | 1    | 18.14             | 16.4  | 1       | 14.72          | 5.72  | 16.16 | 16.1                                    | 17.13 | 15.6  | 1     | 5.14                                   | 8.9   | 0     | 13.08                           | 4.8     | 15.14 | 14.5                                    | 2     | 14.14  | 14.1  | 1.5               | 1.5   | 14.14    | 14.25            | 14.5  | 2    | 14.14                               | 14.25 | 14.5           | 2     | 14.14                                 | 14.25 | 14.5 | 2    |                                   |      |      |       |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| ZAGHDOUD<br>FERYEL                        | 18   | 18   | 2  | 12.5  | 8.10    | 7.5  | 3   | 4.5   | 12.5      | 7.0  | 0                             | 11.93 | 7.3     | 11.75 | 5.25                        | 9.0  | 0   | 16.16            | 16.1  | 1        | 5.5                                | 10.7  | 7.3  | 0        | 9.96                                   | 1.96  | 12.12                      | 14.8    | 2                                    | 9.9            | 9.0  | 0    | 9.9               | 9.0   | 0       | 14.5           | 12.5  | 13.1  | 11.42                                   | 5.42  | 16.16 | 16.1  | 18.18                                  | 11.25 | 15.1  | 2                               | 4.2     | 8.0   | 0                                       | 10.58 | 4.8  | 17.16 | 16.5              | 2     | 16.16    | 15.5             | 1.5   | 1.5  | 14.13                               | 13.5  | 1.5            | 1.5   |                                       |       |      |      |                                   |      |      |       |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |
| SAHBANI<br>SIRINE                         | 18.5 | 18.5 | 2  | 5.12  | 7.8     | 0    | 0   | 6.25  | 11.8      | 0    | 0                             | 10.96 | 7.6     | 10.10 | 10.4                        | 1    | 1   | 16.16            | 16.1  | 1        | 4.25                               | 13.75 | 7.0  | 0        | 10.48                                  | 4.8   | 17.5                       | 16.1    | 17.1                                 | 2              | 14.5 | 14.5 | 1                 | 15.5  | 15.5    | 1              | 5.25  | 11.75 | 7.0                                     | 14.39 | 5.39  | 15.15 | 15.1                                   | 14.25 | 17.5  | 15.1                            | 11.6    | 9.3   | 0                                       | 12.83 | 4.3  | 16.13 | 14.7              | 2     | 14.13    | 13.5             | 1.5   | 1.5  | 13.13                               | 13.5  | 1.5            | 1.5   | 13.13                                 | 13.5  | 1.5  | 1.5  |                                   |      |      |       |                   |      |      |                  |     |     |                          |    |     |   |              |  |  |  |   |  |  |  |                   |  |  |                  |  |  |



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**Ministère de l'Enseignement Supérieur et de la Recherche Scientifique**  
**Direction Générale des études Technologiques**

**INSTITUT SUPERIEUR DES ETUDES TECHNOLOGIQUES DE KEBILI**

**Parcours: LI576501 Domaine: Sciences Exactes et Technologies Mention: Génie des Procédés Spécialité: Procédés Alimentaires**

| LES UE OPTIONNELLES : Semestre 1 du Niveau 2 : Groupe d'enseignement OptGP2 |  |      |      |     |                                   |      |      |   |   |      |   |                |     |
|---|--|------|------|-----|-----------------------------------|------|------|---|---|------|---|----------------|-----|
| Session Principale<br>2021 - 2022   | Unité optionnelle S3                               |      |      |     |                                   |      |      |   |   |      |   |                |     |
|   | Traitement des déchets solides<br>Cr: 1.5 Coef: .5 |      |      |     | Analyse des eaux<br>Cr: 2 Coef: 1 |      |      |   | Certification Microsoft Excel<br>Cr: 1 Coef: .5 |      |   | Résultat Unité |     |
|   | DS 1   | DC1  | M    | C   | DS 1                              | DC1  | M    | C | TP 1  | M    | C | M              | C   |
| Nom et Prénom   |  |      |      |     |                                   |      |      |   |   |      |   |                |     |
| SALHI<br>MAKAREM  | 11.5   | 17.5 | 13.9 | 1.5 | 11.5                              | 16   | 13.3 | 2 | 18  | 18   | 1 | 14.62          | 4.5 |
| CHAABANI<br>IBRAHIM   | 5  | 10   | 7    | 0   | 12                                | 12   | 12   | 2 | 16  | 16   | 1 | 11.75          | 4.5 |
| HASNA<br>MOUSSA   | 7  | 17.5 | 11.2 | 1.5 | 11                                | 12.5 | 11.6 | 2 | 0   | 0    | 0 | 8.6            | 3.5 |
| MSADDAK<br>IYED   | 10.5   | 15.5 | 12.5 | 1.5 | 12                                | 16   | 13.6 | 2 | 18  | 18   | 1 | 14.42          | 4.5 |
| RAMDHAN<br>CHAIMA   | 14   | 17   | 15.2 | 1.5 | 12.5                              | 16   | 13.9 | 2 | 18.5  | 18.5 | 1 | 15.38          | 4.5 |
| AMOR JIHEN  | 18   | 17   | 17.6 | 1.5 | 9                                 | 12.5 | 10.4 | 2 | 18.5  | 18.5 | 1 | 14.23          | 4.5 |
| ZAGHDOUD<br>FERYEL  | 16.5   | 16   | 16.3 | 1.5 | 14                                | 15   | 14.4 | 2 | 18.5  | 18.5 | 1 | 15.9           | 4.5 |
| SAHBANI<br>SIRINE   | 9  | 10   | 9.4  | 0   | 12                                | 16   | 13.6 | 2 | 18  | 18   | 1 | 13.65          | 4.5 |



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Résultats de la session principale du niveau 2 pour l'année universitaire 2021 - 2022

**Parcours: LI576501 Domaine: Sciences Exactes et Technologies Mention: Génie des Procédés Spécialité: Procédés Alimentaires**

| Groupe d'enseignement : GP2 |                    |                   |                       |                   |                  |              |          |
|-----------------------------|--------------------|-------------------|-----------------------|-------------------|------------------|--------------|----------|
| Nom et prénom               | Moyenne semestre 1 | Crédit semestre 1 | Moyenne du semestre 2 | Crédit semestre 2 | Moyenne générale | Crédit total | Résultat |
| SALHI MAKAREM               | 14.38              | 30                | 14.88                 | 30                | 14.63            | 60           | Admis    |
| CHAABANI IBRAHIM            | 11.76              | 27                | 12.36                 | 24                | 12.06            | 51           | Admis    |
| HASNA MOUSSA                | 8.93               | 19                | 11.76                 | 26                | 10.34            | 45           | Admis    |
| MSADDAK IYED                | 14.25              | 30                | 14.21                 | 30                | 14.23            | 60           | Admis    |
| RAMDHAN CHAIMA              | 15.34              | 30                | 14.48                 | 30                | 14.91            | 60           | Admis    |
| AMOR JIHEN                  | 13.72              | 30                | 12.24                 | 26                | 12.98            | 56           | Admis    |
| ZAGHDOUD FERYEL             | 12.42              | 27                | 12.08                 | 20                | 12.25            | 47           | Admis    |
| SAHBANI SIRINE              | 12.68              | 30                | 13.55                 | 30                | 13.12            | 60           | Admis    |