

Modèle 2025/2026

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|--|---|--|
| Composante :                             | IUT DE Nantes-en-Yvelines   |  |
| Adopté par le conseil de composante le : | 26/05/2025  |  |
| Adopté par le CPVU en date du :          | 08/07/2025  |  |
| Régime d'inscription :                   | <input type="checkbox"/> Formation initiale<br><input type="checkbox"/> Formation initiale en apprentissage<br><input type="checkbox"/> Formation continue<br><input type="checkbox"/> Formation continue en contrat de professionnalisation            |  |
|  | <input type="checkbox"/> Formation initiale<br><input checked="" type="checkbox"/> Formation initiale en apprentissage<br><input type="checkbox"/> Formation continue<br><input type="checkbox"/> Formation continue en contrat de professionnalisation |  |

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| Dispositions particulières |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| code Apogée  | Bloc annualisé (A) ou semestrialisé (S) | Intitulé   | Intitulé en anglais  | Obligatoire /optionnel | Nom Responsable     | Cocher si Responsable extérieur de l'UVSQ | Volumes horaires |  |           |                        |             | ECTS       | Coefficient   |     |     |     |      | Modalités de contrôle des connaissances |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
|--|---|--|--|------------------------|---------------------|---|------------------|--|-----------|------------------------|-------------|------------|---------------|-----|-----|-----|------|---|--|------------------|----|--|-------------------------------------|---|-----|--|---|-----------------------------------|--|--|--|--------------------------|--|--|--|-----|-----|-----|--|
|  |   |  |  |                        |                     |   | Présentiel       |  |           | Heures autonomie / Saé | Heures FOAD |            | Total horaire | UE1 | UE2 | UE3 | UE4  | UE5                                     | Total  | 1ère session     |    | 2ème chance  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
|  |   |  |  |                        |                     |   | Heures CM        | Heures TD  | Heures TP |                        |             |            |               |     |     |     |      |   |  | Type de contrôle |    | Type de contrôle                                     |                                     | Type de contrôle  |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
|  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BCC disciplinaires</b>  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR103  | S1                                      | R1.03 Mécanique Matériaux 1  | R1.03 Mechanical Materials 1   | UE Obligatoire         | HADRI/ CAZELLES     |   | 15               | 12   | 16        |                        |             | 43         | 5             | 5   | 5,5 | 5   | 5,5  | 26                                      | 100  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR104  | S1                                      | R1.04 Génie électrique 1   | R1.04 Electrical Engineering 1   | UE Obligatoire         | CHERIF/ EL HADRI    |   | 20               | 22   | 16        |                        |             | 58         | 6,5           | 6,5 | 7   | 6,5 | 7    | 33,5                                    | 100  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR105  | S1                                      | R1.05 Technologie mécanique et fluide 1  | R1.05 Mechanical and Fluid Technology 1  | UE Obligatoire         | CHARLES             |   | 1                | 12   | 20        |                        |             | 33         | 4             | 5   | 5   | 4   | 5    | 23                                      | 100  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR106  | S1                                      | R1.06 Electricité et automatismes industriels 1  | R1.06 Electricity and industrial automation 1  | UE Obligatoire         | SERRAKH/ ELHADRI    |   | 1                | 8  | 10        |                        |             | 19         | 2             | 3   | 4   | 2   | 3,5  | 14,5                                    | 100  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR107  | S1                                      | R1.07 Méthodes Maintenance   | R1.07 Methods Maintenance  | UE Obligatoire         | SERRAKH             |   | 3                | 12   | 3         |                        |             | 18         | 2             | 3   |     | 2   | 7    | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR108  | S1                                      | R1.08 Organisation des systèmes industriels  | R1.08 Organization of Industrial Systems   | UE Obligatoire         | HADRI/ VALLERY      |   | 10               | 15   | 9         |                        |             | 34         | 3,5           |     |     | 3,5 | 10,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BCC Transverse et linguistique</b>  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR101  | S1                                      | R1.01 Mathématique   | R1.01 Mathematics  | UE Obligatoire         | VICENZI             |   | 19               | 28   |           |                        |             | 47         | 5             | 5   | 5,5 | 5   | 5,5  | 26                                      | 100  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR102  | S1                                      | R1.02 Informatique   | R1.02 Informatic   | UE Obligatoire         | HADRI/CHAMBOINNIERE |   |                  | 3  | 12        |                        |             | 15         | 2             | 2,5 | 3   | 2   | 9,5  | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR109  | S1                                      | R1.09 Techniques d'Expression et de Communication 1  | R1.09 Expression and Communication Techniques 1  | UE Obligatoire         | SEHIL               |   |                  | 6  | 12        |                        |             | 18         | 2,5           | 2,5 | 2,5 | 2,5 | 12,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR110  | S1                                      | R1.10 ANGLAIS  | R1.10 ENGLISH  | UE Obligatoire         | CHUMIA              |   |                  | 9  | 14        |                        |             | 23         | 2,5           | 2,5 | 2,5 | 2,5 | 12,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR111  | S1                                      | R1.11 Projet Personnel et Professionnel (PPP) 1  | R1.11 Personnel and Professional project (PPP)1  | UE Obligatoire         | SERRAKH             |   |                  | 10   |           |                        |             | 10         | 1             | 1   | 1   | 1   | 5    | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BCC SAé</b>   |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMS101  | S1                                      | SAé 1.1 Exécuter des opérations élémentaires de maintenance  | SAE 1.1 Perform Basic Maintenance Operations   | UE Obligatoire         | HADRI/SERRAKH       |   |                  | 6  | 4         | 5                      |             | 10         |               |     |     |     | 24   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     | oui |  |
| MIMS102  | S1                                      | SAé 1.2 Remplacer un élément avec changement de modèle   | SAE 1.2 Replace Element with Model Change  | UE Obligatoire         | CHARLES             |   |                  | 6  | 4         | 5                      |             | 10         |               |     |     |     | 24   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     | oui |     |  |
| MIMS103  | S1                                      | SAé 1.3Préparer l'installation d'un équipement   | SAE 1.3Prepare installation of equipment   | UE Obligatoire         | SERRAKH/ EL HADRI   |   |                  | 6  | 4         | 5                      |             | 10         |               |     |     |     | 24   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     | oui |     |  |
| MIMS104  | S1                                      | SAé 1.4 Identifier les contraintes organisationnelles d'une entreprise et leur impact sur l'exploitation des moyens techniques | SAE 1.4 Identify the organizational constraints of a company and their impact on the exploitation of technical means | UE Obligatoire         | SEHIL               |   |                  | 6  | 4         | 5                      |             | 10         |               |     |     |     | 24   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  | oui |     |     |  |
| MIMS105  | S1                                      | SAé 1.5 Evaluer les risques lors d'une intervention simple   | SAE 1.5 Risk Assessment in a simple intervention   | UE Obligatoire         | DJEBARRA/HADRI      |   |                  | 6  | 4         | 5                      |             | 10         |               |     |     |     | 24   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  | oui |     |     |  |
| MIMPF2   | S1                                      | Portfolio  | Portfolio  | UE Obligatoire         | CHARLES             |   |                  | 8  |           |                        |             | 8          |               |     |     |     | 0    | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BCC disciplinaires</b>  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR203  | S2                                      | R2.03 Mécanique Matériaux 2  | R2.03 Mechanical Materials 2   | UE Obligatoire         | HADRI/ CAZELLES     |   | 13               | 14   | 8         |                        |             | 35         | 4,5           | 5   | 4,5 | 4,5 | 5    | 23,5                                    | 100  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR204  | S2                                      | R2.04 Génie électrique 2   | R2.04 Electrical Engineering 2   | UE Obligatoire         | CHERIF/SERRAKH      |   | 15               | 18   | 15        |                        |             | 48         | 5             | 5,5 | 5   | 5   | 25,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR205  | S2                                      | R2.05 Energie-Fluides-Thermique 2  | R2.05 Energy-Fluids-Thermal 2  | UE Obligatoire         | HADRI/ MILLET       |   | 6                | 6  | 8         |                        |             | 20         | 1,5           | 2   | 1,5 | 1,5 | 8    | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR206  | S2                                      | R2.06 Technologie mécanique et fluide 2  | R2.06 Mechanical and Fluid Technology 2  | UE Obligatoire         | CHARLES             |   | 3                | 12   | 8         |                        |             | 23         | 3             | 3   | 2,5 | 3   | 14,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR207  | S2                                      | R2.07 Electricité et automatisme industriels 2   | R2.07 Industrial electronics and automation 2  | UE Obligatoire         | Bouchida/ ELHADRI   |   | 3                | 12   | 24        |                        |             | 39         | 5,5           | 6   | 5   | 5,5 | 27,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR208  | S2                                      | R2.08 Méthodes et outils   | R2.08 Methods and Tools  | UE Obligatoire         | HADRI               |   | 12               | 10   | 12        |                        |             | 34         | 4             | 4,5 | 3,5 | 4   | 20   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR209  | S2                                      | R2.09 habilitation électrique  | R2.09 electrical clearance   | UE Obligatoire         | DJEBARA             |   | 3                | 9  | 6         |                        |             | 18         |               |     | 2   | 2   | 4    | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BCC Transverse et linguistique</b>  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR201  | S2                                      | R2.01 Mathématique 2   | R2.01 Mathematics 2  | UE Obligatoire         | VICENZI             |   | 22               | 26   |           |                        |             | 48         | 4             | 4   | 3,5 | 4   | 19,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR202  | S2                                      | R2.02 Informatique 2   | R2.02 Informatics 2  | UE Obligatoire         | CHARLES             |   |                  |  | 20        |                        |             | 20         | 2,5           | 2,5 | 2,5 | 7,5 | 100  |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR203  | S2                                      | R2.10 Techniques d'Expression et de Communication 2  | R2.10 Expression and Communication Techniques 2  | UE Obligatoire         | SEHIL               |   |                  | 10   | 12        |                        |             | 22         | 2,5           | 2,5 | 2,5 | 2,5 | 12,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR211  | S2                                      | R2.11 ANGLAIS  | R2.11 ENGLISH  | UE Obligatoire         | CHUMIA              |   |                  | 12   | 12        |                        |             | 24         | 2,5           | 2,5 | 2,5 | 2,5 | 12,5 | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMR212  | S2                                      | R2.12 Projet Personnel et Professionnel (PPP) 2  | R2.12 Personnel and Professional project (PPP) 2   | UE Obligatoire         | SERRAKH             |   |                  | 8  |           |                        |             | 8          | 1             | 1   | 1   | 1   | 5    | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BCC SAé</b>   |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| MIMS201  | S2                                      | SAé 2.1 Exécuter des opérations élémentaires de maintenance  | SAE 2.1 Perform Basic Maintenance Operations   | UE Obligatoire         | HADRI/SERRAKH       |   |                  | 4  |           | 5                      |             | 4          |               |     |     |     | 22   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     | oui |  |
| MIMS202  | S2                                      | SAé 2.2 Remplacer un élément avec changement de modèle   | SAE 2.2 Replace Element with Model Change  | UE Obligatoire         | CHARLES/HADRI       |   |                  | 4  |           | 5                      |             | 4          |               |     |     |     | 22   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     | oui |  |
| MIMS203  | S2                                      | SAé 2.3Préparer l'installation d'un équipement   | SAE 2.3Prepare equipment installation  | UE Obligatoire         | SERRAKH/ EL HADRI   |   |                  | 4  |           | 5                      |             | 4          |               |     |     |     | 22   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     | oui |  |
| MIMS204  | S2                                      | SAé 2.4 Identifier les contraintes organisationnelles d'une entreprise et leur impact sur l'exploitation des moyens techniques | SAE 2.4 Identify the organizational constraints of a company and their impact on the exploitation of technical means | UE Obligatoire         | SEHIL               |   |                  | 4  |           | 5                      |             | 4          |               |     |     |     | 22   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     | oui |     |  |
| MIMS205  | S2                                      | SAé 2.5 Evaluer les risques lors d'une intervention simple   | SAE 2.5 Assessing Risks in a Single Intervention   | UE Obligatoire         | DJEBARRA/HADRI      |   |                  | 4  |           | 5                      |             | 4          |               |     |     |     | 22   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     | oui |     |  |
| MIMPF2   | S2                                      | Portfolio  | Portfolio  | UE Obligatoire         | CHARLES             |   |                  | 8  |           |                        |             | 8          |               |     |     |     | 10   | 100                                     |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BCC disciplinaires</b>  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
|  |   |  |  |                        |                     |   |                  |  |           |                        |             | TOTAL ECTS |               |     |     |     | 12   | 12                                      | 12   | 12               | 12 | 60   |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| <b>BC d'ouverture</b>  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Compétences d'ouverture  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| UE libre   |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Engagement et vie associative  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Katia RADJA  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
|  |   |  |  |                        |                     |   | 14               |  |           |                        |             | 14         |               |     |     | 3   |      |   | 100  |                  |    |  |                                     |   |     |  |   | 100%                              |  |  | rapport d'activité (60% rapport d'activité écrit, 10% participation, 30% oral) |                          |  |  |  |     |     |     |  |
| Licence : TAPSLSE1 à TAPSLSE6 (semestre 1 à semestre 6)<br>Master : TAPSMSE1 à TAPSMSE4 (semestre 1 à semestre 4)                                |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Semestre pair et impair  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Théorie et pratique des activités physiques et sportives   |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Emmanuel VILLARET  |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
|  |   |  |  |                        |                     |   | 18               |  |           |                        |             | 18         |               |     |     | 3   |      |   | 100  |                  |    |  |                                     |   | 100 |  |   | pratique (65%) et théorique (35%) |  |  |  |                          |  |  |  |     |     |     |  |
| Semestre 1 : PARTS1S1<br>Semestre 2 : PARTS1S2   |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Culture – Pratiques artistiques (Options : théâtre, arts plastiques, photographie niveau 1 et niveau 2, média-radio, histoire de l'art)          |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| Sylvie DADOUINE (théâtre)<br>Marion EXPERT (arts plastiques)<br>Yann DATESSEN (photo 1 et 2 / Histoire de l'art)<br>Nouradine AGNE (média-radio) |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
|  |   |  |  |                        |                     |   |                  | 24 (théâtre)<br>22 (arts plastiques)<br>24 (photo 1) et 15 niv 2<br>22 (média-radio)<br>32 (Histoire de l'art - 2 x 8h de cours + 4 x 4h de visites de musées) |           |                        |             |            |               |     |     | 3   |      |   | 100 (théâtre et photo)<br>50 (arts plastiques et média-radio)<br>100 (Histoire de l'art) |                  |    | participation orale-devoirs maison-QCM (média-radio) | 50 (arts plastiques et média-radio) | dessin (arts plastiques) papier radiophonique (média-radio) |     |  | 50 (média-radio)<br>100 (Histoire de l'art) |                                   |  | examen final spécifique (média-radio)<br>commentaire d'image (Histoire de l'art) | 50 (média-radio)   | production (média-radio) |  |  |  |     |     |     |  |
| Total heures maquettes   |   |  |  |                        |                     |   |                  |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| total h CM   |   |  |  |                        |                     |   | 146              |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| total h TD   |   |  |  |                        |                     |   | 340              |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| total h TP   |   |  |  |                        |                     |   | 257              |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| total autonomie  |   |  |  |                        |                     |   | 50               |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |
| total distanciel   |   |  |  |                        |                     |   | 0                |  |           |                        |             |            |               |     |     |     |      |   |  |                  |    |  |                                     |   |     |  |   |                                   |  |  |  |                          |  |  |  |     |     |     |  |