

Module : Administration et programmation systèmes

| Code Apogée | Nom | Prénom | Administration systèmes | Programmation systèmes | Note Finale |
|-------------|-----------------|-------------|-------------------------|------------------------|-------------|
| 17004026 | EL YAZGHI | MARYEM | 18.41 | 17.7 | 15.04 |
| 19005680 | FAROUC | ZAKARIA | 13.98 | 12.82 | 12.18 |
| 19006658 | EL HARIRI | KENZA | 18.89 | 14.08 | 15.46 |
| 20000104 | LABJAKH | SAFAE | 13.21 | 19.2 | 10.36 |
| 20000927 | KORAICHI | SALMANE | 11.32 | 15.83 | 10.79 |
| 20001713 | TAIBI IMMRANI | AMAL | 16.12 | 14.29 | 18.0 |
| 20001758 | AL AZAMI | TAREK | 18.46 | 17.7 | 18.37 |
| 20007042 | EL FERCHOUNI | SOUKAYNA | 12.44 | 13.21 | 10.16 |
| 20007695 | RANBOUK | LAMIAE | 16.12 | 17.29 | 11.85 |
| 20007896 | EL OUAHABI | ANASS | 12.63 | 15.08 | 18.24 |
| 20009973 | KABBOUR | WISSAL | 18.93 | 10.49 | 10.13 |
| 20011005 | BOUHNINE | SAFAA | 19.23 | 16.05 | 19.48 |
| 21002603 | BOUKER | MOHAMMED | 12.14 | 17.35 | 16.04 |
| 21009025 | BOUSSAID | MERYEME | 15.73 | 13.31 | 14.9 |
| 21009110 | BERKOUKT | AMINE | 19.9 | 18.87 | 16.87 |
| 21009157 | AZZMAN | NORELIMANE | 14.21 | 18.03 | 18.29 |
| 21009322 | SARSRI | AYMANE | 15.75 | 16.39 | 18.42 |
| 21009475 | DAHBI | MOAD | 18.49 | 12.57 | 19.83 |
| 21010011 | IKEN | HANAE | 10.76 | 14.29 | 17.34 |
| 21010231 | KEROUAN SALAH | SOUAIA | 12.63 | 19.44 | 15.44 |
| 21010242 | STITOU | ABIR | 10.46 | 15.3 | 11.28 |
| 21010255 | TAJIDI | MALIKA | 18.85 | 10.7 | 14.83 |
| 21010261 | BOULERBAH | YASSER | 17.43 | 15.04 | 17.8 |
| 21010266 | AIDOUN | IBTISSAM | 14.42 | 14.27 | 15.66 |
| 21010272 | EL AOUD | OUAAIL | 13.65 | 16.19 | 11.19 |
| 21010274 | EL GARTI | YASSINE | 16.74 | 11.63 | 16.59 |
| 21010278 | ABDELOUAHAB | SOUFIANE | 14.53 | 14.28 | 19.0 |
| 21010287 | ALLAM | ELARBI | 18.01 | 12.38 | 11.2 |
| 21010291 | LOUAH | MOHAMMED | 14.59 | 13.77 | 16.62 |
| 21010299 | CHERKI | HOUSAM | 19.82 | 16.19 | 18.1 |
| 21010306 | EL-BATTEOUI | OUSSAMA | 18.77 | 14.15 | 14.37 |
| 21010319 | EL GHAZI | SILIA | 19.29 | 11.75 | 12.11 |
| 21010320 | HADAD | WAIL | 13.17 | 19.16 | 19.39 |
| 21010322 | EL HARRAK | MEHDI | 17.59 | 18.11 | 14.53 |
| 21010324 | EL BAKALI | MALAK | 15.37 | 16.39 | 16.5 |
| 21010326 | CHAIBERRAS | SOUHAIL | 17.73 | 17.4 | 10.44 |
| 21010332 | OULAD MALEM | AYOUB | 14.27 | 11.17 | 17.1 |
| 21010334 | HILALY | ANAS | 13.25 | 17.71 | 16.74 |
| 21010348 | SOULHI | MALAK | 15.34 | 17.95 | 19.02 |
| 21010356 | AZZOUZ | CHAIMAE | 13.98 | 11.18 | 12.33 |
| 21010358 | AHMYTTOU | AYA | 11.16 | 14.56 | 19.58 |
| 21010359 | HAJOUZ | RIHAB | 15.6 | 16.74 | 18.52 |
| 21010368 | JEBARI HASSANI | ABDELHAK | 11.81 | 16.87 | 17.19 |
| 21010379 | EL AIDI IDRISSI | ACHRAF | 15.2 | 18.71 | 19.29 |
| 21010395 | ABBAD | ABDELOUAHED | 15.74 | 14.89 | 10.58 |
| 21010401 | SAKHRI | MOHAMED | 18.52 | 16.94 | 15.45 |
| 21010403 | EL ADNANI | EL MEHDI | 17.83 | 10.12 | 19.43 |
| 21010409 | ZAHAR | KENZA | 18.03 | 19.49 | 13.9 |
| 21010411 | BEN IMRAN | AHLAM | 14.05 | 10.8 | 14.53 |
| 21010423 | EL MATNI | ADAM | 15.79 | 14.19 | 19.13 |
| 21010439 | ECHCHRIKI | IMAD | 17.26 | 18.0 | 12.03 |
| 21010441 | EL M RABET | SAIDA | 16.18 | 12.45 | 16.82 |
| 21010476 | BENCHINE | ABDELILAH | 10.46 | 14.89 | 15.78 |
| 21010482 | ARIB | AYMANE | 12.7 | 12.16 | 10.77 |
| 21010740 | LIO-EDDINE | SAMIA | 12.24 | 15.48 | 18.05 |
| 21011326 | ABOU-EL KASEM | KENZA | 16.29 | 13.94 | 16.73 |



| Code Apogée | Nom | Prénom | Administration systèmes | Programmation systèmes | Note Finale |
|-------------|-------------|----------------|----------------------------|---------------------------|--------------|
| 21011615 | TAOUIL | FATIMAEZZAHRAE | 19.57 | 14.69 | 10.22 |
| 21011667 | SOUIDAK | FIRDAOUS | 16.25 | 12.6 | 13.64 |
| 21011724 | BOUNOUAR | MOHAMMED | 12.57 | 18.28 | 12.88 |
| 21011779 | BIGAGANE | ABDELLAH | 19.92 | 18.3 | 19.65 |
| 21011780 | KONTAR | RIHAM | 12.65 | 19.37 | 15.47 |
| 21011784 | NAYA | TAHA | 19.01 | 12.84 | 11.06 |
| 21011787 | EL- OTMANI | SARA | 14.88 | 11.04 | 19.98 |
| 21015477 | SYLLA | NFALY | 17.42 | 19.33 | 11.7 |
| 22012491 | EL HLLAFI | BASMA | 13.35 | 18.61 | 15.78 |
| 22012817 | BENMGUIRIDA | ANAS | 17.4 | 15.09 | 17.84 |



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Module : Bases de données avancées 1

| Code Apogée | Nom | Prénom | Optimisation et Qualité de Base de données | Administration et Sécurité des Bases de données | Note Finale |
|-------------|-----------------|-------------|--------------------------------------------------|----------------------------------------------------------|-------------|
| 17004026 | EL YAZGHI | MARYEM | 12.27 | 16.69 | 10.03 |
| 19005680 | FAROUK | ZAKARIA | 19.69 | 15.13 | 13.04 |
| 19006658 | EL HARIRI | KENZA | 11.8 | 11.69 | 18.94 |
| 20000104 | LABJAKH | SAFAE | 15.42 | 10.25 | 19.88 |
| 20000927 | KORAICHI | SALMANE | 11.24 | 10.95 | 18.35 |
| 20001713 | TAIBI IMMRANI | AMAL | 15.69 | 14.85 | 13.43 |
| 20001758 | AL AZAMI | TAREK | 17.76 | 11.66 | 15.57 |
| 20007042 | EL FERCHOUNI | SOUKAYNA | 13.11 | 10.22 | 14.17 |
| 20007695 | RANBOUK | LAMIAE | 12.97 | 15.38 | 17.86 |
| 20007896 | EL OUAHABI | ANASS | 14.25 | 15.39 | 13.28 |
| 20009973 | KABBOUR | WISSAL | 18.92 | 11.65 | 15.92 |
| 20011005 | BOUHNINE | SAFAA | 12.53 | 19.21 | 10.82 |
| 21002603 | BOUKER | MOHAMMED | 18.28 | 11.0 | 14.85 |
| 21009025 | BOUSSAID | MERYEME | 12.11 | 14.56 | 16.57 |
| 21009110 | BERKOUKT | AMINE | 11.23 | 10.08 | 17.7 |
| 21009157 | AZZMAN | NORELIMANE | 16.46 | 13.61 | 16.11 |
| 21009322 | SARSRI | AYMANE | 15.69 | 19.25 | 11.14 |
| 21009475 | DAHBI | MOAD | 18.16 | 14.55 | 17.78 |
| 21010011 | IKEN | HANAE | 19.03 | 13.13 | 13.51 |
| 21010231 | KEROUAN SALAH | SOUAIA | 15.32 | 14.47 | 17.29 |
| 21010242 | STITOU | ABIR | 16.03 | 19.66 | 12.81 |
| 21010255 | TAJIDI | MALIKA | 14.71 | 15.13 | 11.87 |
| 21010261 | BOULERBAH | YASSER | 18.85 | 13.76 | 16.79 |
| 21010266 | AIDOUN | IBTISSAM | 12.37 | 18.82 | 19.62 |
| 21010272 | EL AOUAD | OUAAIL | 16.33 | 12.15 | 19.48 |
| 21010274 | EL GARTI | YASSINE | 19.25 | 18.04 | 18.69 |
| 21010278 | ABDELOUAHAB | SOUFIANE | 11.23 | 19.89 | 17.33 |
| 21010287 | ALLAM | ELARBI | 16.54 | 10.06 | 14.24 |
| 21010291 | LOUAH | MOHAMMED | 14.31 | 13.38 | 13.29 |
| 21010299 | CHERKI | HOUSSAM | 16.21 | 12.75 | 16.36 |
| 21010306 | EL-BATTEOUI | OUSSAMA | 16.56 | 12.46 | 12.74 |
| 21010319 | EL GHAZI | SILIA | 11.65 | 15.68 | 11.94 |
| 21010320 | HADAD | WAIL | 14.04 | 15.86 | 13.46 |
| 21010322 | EL HARRAK | MEHDI | 12.43 | 10.23 | 15.48 |
| 21010324 | EL BAKALI | MALAK | 16.12 | 14.72 | 19.01 |
| 21010326 | CHAIBERRAS | SOUHAIL | 14.95 | 14.72 | 15.99 |
| 21010332 | OULAD MAALEM | AYOUB | 18.75 | 19.09 | 11.44 |
| 21010334 | HILALY | ANAS | 16.92 | 14.27 | 11.29 |
| 21010348 | SOULHI | MALAK | 16.87 | 17.48 | 11.02 |
| 21010356 | AZZOUZ | CHAIMAE | 18.94 | 13.92 | 16.87 |
| 21010358 | AHMYTTOU | AYA | 19.22 | 18.06 | 16.46 |
| 21010359 | HAJOZ | RIHAB | 13.45 | 12.03 | 12.86 |
| 21010368 | JEBARI HASSANI | ABDELHAK | 12.76 | 13.69 | 18.11 |
| 21010379 | EL AIDI IDRISSE | ACHRAF | 11.48 | 16.13 | 18.33 |
| 21010395 | ABBAD | ABDELOUAHED | 15.92 | 13.05 | 14.19 |
| 21010401 | SAKHRI | MOHAMED | 13.4 | 16.3 | 15.33 |
| 21010403 | EL ADNANI | EL MEHDI | 16.28 | 14.01 | 16.89 |
| 21010409 | ZAHAR | KENZA | 15.13 | 15.61 | 10.88 |
| 21010411 | BEN IMRAN | AHLAM | 18.94 | 15.92 | 16.05 |
| 21010423 | EL MATNI | ADAM | 13.68 | 16.15 | 12.81 |
| 21010439 | ECHCHRIKI | IMAD | 15.68 | 14.74 | 10.2 |
| 21010441 | EL M RABET | SAIDA | 17.04 | 19.85 | 12.99 |
| 21010476 | BENCHINE | ABDELILAH | 12.45 | 12.24 | 11.2 |

| Code Apogée | Nom | Prénom | Optimisation et Qualité de Base de données | Administration et Sécurité des Bases de données | Note Finale |
|-------------|---------------|----------------|--------------------------------------------------|----------------------------------------------------------|--------------|
| 21010482 | ARIB | AYMANE | 13.28 | 15.51 | 12.85 |
| 21010740 | LIO-EDDINE | SAMIA | 17.62 | 11.7 | 11.35 |
| 21011326 | ABOU-EL KASEM | KENZA | 11.68 | 12.26 | 11.12 |
| 21011615 | TAOUIL | FATIMAEZZAHRAE | 15.86 | 18.29 | 15.72 |
| 21011667 | SOUIDAK | FIRDAOUS | 14.5 | 14.37 | 13.25 |
| 21011724 | BOUNOUAR | MOHAMMED | 13.0 | 13.26 | 10.24 |
| 21011779 | BIGAGANE | ABDELLAH | 18.82 | 11.47 | 11.2 |
| 21011780 | KONTAR | RIHAM | 15.81 | 10.84 | 19.19 |
| 21011784 | NAYA | TAHA | 13.26 | 14.46 | 10.86 |
| 21011787 | EL- OTMANI | SARA | 16.28 | 15.84 | 10.91 |
| 21015477 | SYLLA | NFALY | 15.04 | 12.72 | 16.84 |
| 22012491 | EL HLLAFI | BASMA | 14.28 | 12.75 | 17.33 |
| 22012817 | BENMGUIRIDA | ANAS | 19.03 | 15.29 | 17.44 |



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Module : Langue & communication

| Code Apogée | Nom | Prénom | Espagnol 2 & Allemand | Anglais professionnel | Note Finale |
|-------------|-----------------|-------------|--------------------------|--------------------------|-------------|
| 17004026 | EL YAZGHI | MARYEM | 18.63 | 10.23 | 15.08 |
| 19005680 | FAROUC | ZAKARIA | 17.24 | 17.3 | 17.32 |
| 19006658 | EL HARIRI | KENZA | 18.94 | 16.84 | 10.61 |
| 20000104 | LABJAKH | SAFAE | 15.46 | 19.11 | 19.39 |
| 20000927 | KORAICHI | SALMANE | 16.63 | 17.15 | 19.48 |
| 20001713 | TAIBI IMMRANI | AMAL | 19.15 | 18.33 | 17.53 |
| 20001758 | AL AZAMI | TAREK | 14.78 | 16.53 | 18.22 |
| 20007042 | EL FERCHOUNI | SOUKAYNA | 19.14 | 17.15 | 12.75 |
| 20007695 | RANBOUK | LAMIAE | 13.9 | 13.5 | 18.14 |
| 20007896 | EL OUAHABI | ANASS | 10.52 | 15.86 | 14.28 |
| 20009973 | KABBOUR | WISSAL | 13.45 | 18.89 | 14.23 |
| 20011005 | BOUHNINE | SAFAA | 12.76 | 11.71 | 12.4 |
| 21002603 | BOUKER | MOHAMMED | 15.52 | 19.32 | 18.54 |
| 21009025 | BOUSSAID | MERYEME | 14.72 | 15.36 | 18.82 |
| 21009110 | BERKOUKT | AMINE | 13.39 | 10.72 | 10.21 |
| 21009157 | AZZMAN | NORELIMANE | 12.36 | 16.2 | 14.07 |
| 21009322 | SARSRI | AYMANE | 19.7 | 13.08 | 13.89 |
| 21009475 | DAHBI | MOAD | 11.23 | 17.4 | 10.52 |
| 21010011 | IKEN | HANAE | 11.51 | 12.47 | 13.19 |
| 21010231 | KEROUAN SALAH | SOUAIA | 13.82 | 15.78 | 11.46 |
| 21010242 | STITOU | ABIR | 16.76 | 12.88 | 12.0 |
| 21010255 | TAJIDI | MALIKA | 13.95 | 10.25 | 10.79 |
| 21010261 | BOULERBAH | YASSER | 13.72 | 16.3 | 18.62 |
| 21010266 | AIDOUN | IBTISSAM | 15.56 | 10.13 | 16.0 |
| 21010272 | EL AOUAD | OUAAIL | 15.72 | 16.84 | 18.23 |
| 21010274 | EL GARTI | YASSINE | 18.97 | 18.65 | 13.68 |
| 21010278 | ABDELOUAHAB | SOUFIANE | 10.09 | 12.76 | 14.31 |
| 21010287 | ALLAM | ELARBI | 17.54 | 14.42 | 18.21 |
| 21010291 | LOUAH | MOHAMMED | 15.62 | 18.66 | 12.78 |
| 21010299 | CHERKI | HOUSAM | 16.75 | 13.61 | 19.38 |
| 21010306 | EL-BATTEOUI | OUSSAMA | 17.96 | 14.08 | 12.22 |
| 21010319 | EL GHAZI | SILIA | 15.11 | 14.6 | 19.27 |
| 21010320 | HADAD | WAIL | 19.62 | 14.05 | 13.0 |
| 21010322 | EL HARRAK | MEHDI | 12.92 | 19.09 | 15.53 |
| 21010324 | EL BAKALI | MALAK | 14.63 | 16.86 | 14.18 |
| 21010326 | CHAIBERRAS | SOUHAIL | 19.63 | 19.96 | 13.37 |
| 21010332 | OULAD MALEM | AYOUB | 14.89 | 18.25 | 16.53 |
| 21010334 | HILALY | ANAS | 12.49 | 10.68 | 11.5 |
| 21010348 | SOULHI | MALAK | 12.31 | 14.34 | 16.44 |
| 21010356 | AZZOUZ | CHAIMAE | 18.5 | 17.11 | 14.27 |
| 21010358 | AHMYTTOU | AYA | 17.8 | 12.52 | 10.53 |
| 21010359 | HAJOUZ | RIHAB | 10.52 | 14.25 | 16.62 |
| 21010368 | JEBARI HASSANI | ABDELHAK | 10.64 | 11.89 | 16.45 |
| 21010379 | EL AIDI IDRISSE | ACHRAF | 13.39 | 11.56 | 17.05 |
| 21010395 | ABBAD | ABDELOUAHED | 18.59 | 13.27 | 11.59 |
| 21010401 | SAKHRI | MOHAMED | 13.67 | 11.75 | 16.29 |
| 21010403 | EL ADNANI | EL MEHDI | 19.13 | 13.87 | 18.05 |
| 21010409 | ZAHAR | KENZA | 13.07 | 10.04 | 16.46 |
| 21010411 | BEN IMRAN | AHLAM | 15.84 | 17.67 | 12.63 |
| 21010423 | EL MATNI | ADAM | 15.07 | 14.55 | 10.79 |
| 21010439 | ECHCHRIKI | IMAD | 17.69 | 17.73 | 11.74 |
| 21010441 | EL M RABET | SAIDA | 14.86 | 17.52 | 12.55 |
| 21010476 | BENCHINE | ABDELILAH | 17.47 | 10.61 | 18.8 |
| 21010482 | ARIB | AYMANE | 16.14 | 18.61 | 15.8 |
| 21010740 | LIO-EDDINE | SAMIA | 19.99 | 12.12 | 16.35 |
| 21011326 | ABOU-EL KASEM | KENZA | 19.68 | 17.04 | 10.49 |



| Code Apogée | Nom | Prénom | Espagnol 2 & Allemand | Anglais professionnel | Note Finale |
|-------------|-------------|----------------|--------------------------|--------------------------|-------------|
| 21011615 | TAOUIL | FATIMAEZZAHRAE | 16.04 | 19.09 | 19.21 |
| 21011667 | SOUIDAK | FIRDAOUS | 18.06 | 17.04 | 16.24 |
| 21011724 | BOUNOUAR | MOHAMMED | 15.99 | 17.69 | 10.49 |
| 21011779 | BIGAGANE | ABDELLAH | 19.88 | 15.91 | 13.02 |
| 21011780 | KONTAR | RIHAM | 18.86 | 16.02 | 10.46 |
| 21011784 | NAYA | TAHA | 18.85 | 15.1 | 11.37 |
| 21011787 | EL- OTMANI | SARA | 13.55 | 13.36 | 16.25 |
| 21015477 | SYLLA | NFALY | 18.61 | 12.01 | 14.55 |
| 22012491 | EL HLLAFI | BASMA | 19.24 | 14.31 | 11.97 |
| 22012817 | BENMGUIRIDA | ANAS | 18.89 | 11.36 | 17.63 |



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Module : Modélisation orientée objet et IHM

| Code Apogée | Nom | Prénom | Modélisation orientée objet UML | IHM | Note Finale |
|-------------|-----------------|-------------|---------------------------------------|-------|-------------|
| 17004026 | EL YAZGHI | MARYEM | 11.09 | 16.39 | 14.44 |
| 19005680 | FAROUK | ZAKARIA | 15.79 | 14.65 | 19.46 |
| 19006658 | EL HARIRI | KENZA | 19.58 | 17.57 | 13.68 |
| 20000104 | LABJAKH | SAFAE | 13.54 | 19.1 | 18.79 |
| 20000927 | KORAICHI | SALMANE | 11.97 | 18.18 | 18.3 |
| 20001713 | TAIBI IMMRANI | AMAL | 17.44 | 15.81 | 15.59 |
| 20001758 | AL AZAMI | TAREK | 13.56 | 12.06 | 18.41 |
| 20007042 | EL FERCHOUNI | SOUKAYNA | 11.0 | 17.45 | 14.05 |
| 20007695 | RANBOUK | LAMIAE | 15.33 | 11.56 | 11.3 |
| 20007896 | EL OUAHABI | ANASS | 17.74 | 17.67 | 19.26 |
| 20009973 | KABBOUR | WISSAL | 18.82 | 12.41 | 14.24 |
| 20011005 | BOUHNINE | SAFAA | 16.83 | 11.75 | 16.38 |
| 21002603 | BOUKER | MOHAMMED | 16.25 | 16.62 | 15.66 |
| 21009025 | BOUSSAID | MERYEME | 18.67 | 12.42 | 17.47 |
| 21009110 | BERKOUKT | AMINE | 16.05 | 10.63 | 14.77 |
| 21009157 | AZZMAN | NORELIMANE | 14.18 | 15.53 | 18.67 |
| 21009322 | SARSRI | AYMANE | 13.42 | 19.38 | 12.49 |
| 21009475 | DAHBI | MOAD | 15.86 | 17.87 | 15.25 |
| 21010011 | IKEN | HANAE | 19.11 | 13.88 | 16.56 |
| 21010231 | KEROUAN SALAH | SOUAIA | 19.13 | 16.58 | 18.88 |
| 21010242 | STITOU | ABIR | 11.39 | 17.27 | 10.52 |
| 21010255 | TAJIDI | MALIKA | 10.99 | 11.54 | 17.5 |
| 21010261 | BOULERBAH | YASSER | 16.9 | 11.15 | 11.7 |
| 21010266 | AIDOUN | IBTISSAM | 15.98 | 19.86 | 12.77 |
| 21010272 | EL AOUAD | OUAAIL | 19.37 | 11.69 | 19.9 |
| 21010274 | EL GARTI | YASSINE | 12.49 | 10.53 | 12.69 |
| 21010278 | ABDELOUAHAB | SOUFIANE | 11.9 | 13.4 | 14.96 |
| 21010287 | ALLAM | ELARBI | 19.08 | 10.71 | 13.51 |
| 21010291 | LOUAH | MOHAMMED | 15.34 | 16.59 | 12.7 |
| 21010299 | CHEKRI | HOUSSAM | 11.59 | 19.79 | 16.12 |
| 21010306 | EL-BATTEOUI | OUSSAMA | 16.9 | 17.81 | 18.44 |
| 21010319 | EL GHAZI | SILIA | 15.36 | 19.9 | 12.29 |
| 21010320 | HADAD | WAIL | 19.21 | 14.84 | 12.51 |
| 21010322 | EL HARRAK | MEHDI | 15.68 | 19.88 | 14.62 |
| 21010324 | EL BAKALI | MALAK | 11.84 | 17.26 | 12.32 |
| 21010326 | CHAIBERRAS | SOUHAIL | 19.61 | 12.03 | 10.67 |
| 21010332 | OULAD MALEM | AYOUB | 16.45 | 15.34 | 10.31 |
| 21010334 | HILALY | ANAS | 14.84 | 16.37 | 12.33 |
| 21010348 | SOULHI | MALAK | 14.02 | 16.43 | 17.42 |
| 21010356 | AZZOUZ | CHAIMAE | 16.27 | 16.67 | 13.76 |
| 21010358 | AHMYTTOU | AYA | 12.48 | 10.19 | 15.24 |
| 21010359 | HAJOZ | RIHAB | 15.73 | 19.74 | 12.14 |
| 21010368 | JEBARI HASSANI | ABDELHAK | 18.76 | 18.83 | 14.04 |
| 21010379 | EL AIDI IDRISSI | ACHRAF | 10.2 | 14.05 | 19.66 |
| 21010395 | ABBAD | ABDELOUAHED | 11.35 | 10.2 | 13.52 |
| 21010401 | SAKHRI | MOHAMED | 18.29 | 15.71 | 10.28 |
| 21010403 | EL ADNANI | EL MEHDI | 17.85 | 11.51 | 18.38 |
| 21010409 | ZAHAR | KENZA | 11.73 | 12.41 | 15.87 |
| 21010411 | BEN IMRAN | AHLAM | 15.39 | 16.47 | 17.87 |
| 21010423 | EL MATNI | ADAM | 15.7 | 14.11 | 10.73 |
| 21010439 | ECHCHRIKI | IMAD | 14.64 | 11.99 | 11.4 |
| 21010441 | EL M RABET | SAIDA | 17.47 | 14.77 | 14.44 |
| 21010476 | BENCHINE | ABDELILAH | 11.36 | 13.29 | 13.49 |
| 21010482 | ARIB | AYMANE | 19.15 | 15.65 | 16.85 |



| Code Apogée | Nom | Prénom | Modélisation orientée objet UML | IHM | Note Finale |
|-------------|---------------|----------------|---------------------------------------|-------|-------------|
| 21010740 | LIO-EDDINE | SAMIA | 18.85 | 13.45 | 17.77 |
| 21011326 | ABOU-EL KASEM | KENZA | 13.13 | 15.86 | 15.74 |
| 21011615 | TAOUIL | FATIMAEZZAHRAE | 19.56 | 10.1 | 10.37 |
| 21011667 | SOUIDAK | FIRDAOUS | 18.28 | 14.29 | 17.58 |
| 21011724 | BOUNOUAR | MOHAMMED | 19.57 | 11.59 | 15.59 |
| 21011779 | BIGAGANE | ABDELLAH | 17.8 | 12.38 | 13.03 |
| 21011780 | KONTAR | RIHAM | 14.62 | 14.35 | 17.3 |
| 21011784 | NAYA | TAHA | 16.73 | 16.97 | 15.45 |
| 21011787 | EL- OTMANI | SARA | 16.12 | 10.19 | 12.28 |
| 21015477 | SYLLA | NFALY | 10.53 | 10.63 | 14.25 |
| 22012491 | EL HLLAFI | BASMA | 12.82 | 13.18 | 13.33 |
| 22012817 | BENMGUIRIDA | ANAS | 18.61 | 16.44 | 12.44 |



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Tanger



Module : Programmation Orientée Objet & XML

| Code Apogée | Nom | Prénom | Programmation | XML | Note Finale |
|-------------|-----------------|----------------|---------------|-------|-------------|
| 17004026 | EL YAZGHI | MARYEM | 17.72 | 10.68 | 11.42 |
| 19005680 | FAROUK | ZAKARIA | 14.08 | 16.01 | 17.34 |
| 19006658 | EL HARIRI | KENZA | 10.83 | 15.96 | 12.73 |
| 20000104 | LABJAKH | SAFAE | 15.81 | 12.15 | 18.28 |
| 20000927 | KORAICHI | SALMANE | 19.33 | 19.05 | 15.87 |
| 20001713 | TAIBI IMMRANI | AMAL | 18.81 | 13.15 | 12.23 |
| 20001758 | AL AZAMI | TAREK | 10.96 | 14.44 | 12.27 |
| 20007042 | EL FERCHOUNI | SOUKAYNA | 18.51 | 10.26 | 12.2 |
| 20007695 | RANBOUK | LAMIAE | 15.09 | 17.54 | 17.5 |
| 20007896 | EL OUAHABI | ANASS | 13.45 | 11.95 | 12.74 |
| 20009973 | KABBOUR | WISSAL | 18.06 | 17.12 | 19.46 |
| 20011005 | BOUHNINE | SAFAA | 12.37 | 12.04 | 16.73 |
| 21002603 | BOUKER | MOHAMMED | 16.97 | 19.7 | 12.98 |
| 21009025 | BOUSSAID | MERYEME | 14.25 | 15.47 | 18.51 |
| 21009110 | BERKOUKT | AMINE | 17.86 | 15.51 | 15.42 |
| 21009157 | AZZMAN | NORELIMANE | 11.95 | 16.71 | 17.46 |
| 21009322 | SARSRI | AYMANE | 11.47 | 19.52 | 18.12 |
| 21009475 | DAHBI | MOAD | 19.54 | 16.9 | 14.57 |
| 21010011 | IKEN | HANAE | 15.18 | 18.51 | 15.1 |
| 21010231 | KEROUAN SALAH | SOUAIA | 12.01 | 16.9 | 10.68 |
| 21010242 | STITOU | ABIR | 12.29 | 18.84 | 16.45 |
| 21010255 | TAJIDI | MALIKA | 10.65 | 16.63 | 16.62 |
| 21010261 | BOULERBAH | YASSER | 16.51 | 15.4 | 14.36 |
| 21010266 | AIDOUN | IBTISSAM | 18.35 | 16.88 | 16.59 |
| 21010272 | EL AOUD | OUAAIL | 19.98 | 19.16 | 13.41 |
| 21010274 | EL GARTI | YASSINE | 11.56 | 13.46 | 14.04 |
| 21010278 | ABDELOUAHAB | SOUFIANE | 16.21 | 16.77 | 11.39 |
| 21010287 | ALLAM | ELARBI | 15.23 | 18.94 | 11.74 |
| 21010291 | LOUAH | MOHAMMED | 10.94 | 10.35 | 12.79 |
| 21010299 | CHERKI | HOUSSAM | 17.82 | 19.57 | 13.21 |
| 21010306 | EL-BATTEOUI | OUSSAMA | 17.96 | 13.45 | 10.57 |
| 21010319 | EL GHAZI | SILIA | 17.54 | 11.08 | 16.94 |
| 21010320 | HADAD | WAIL | 17.14 | 10.29 | 15.14 |
| 21010322 | EL HARRAK | MEHDI | 12.52 | 18.81 | 15.84 |
| 21010324 | EL BAKALI | MALAK | 17.8 | 11.41 | 18.19 |
| 21010326 | CHAIBERRAS | SOUHAIL | 14.94 | 19.71 | 18.04 |
| 21010332 | OULAD MALEM | AYOUB | 19.37 | 12.09 | 18.51 |
| 21010334 | HILALY | ANAS | 15.96 | 19.51 | 15.7 |
| 21010348 | SOULHI | MALAK | 13.92 | 19.1 | 13.6 |
| 21010356 | AZZOUZ | CHAIMAE | 15.05 | 17.51 | 19.67 |
| 21010358 | AHMYTTOU | AYA | 15.84 | 19.75 | 11.15 |
| 21010359 | HAJOUZ | RIHAB | 18.93 | 13.32 | 15.63 |
| 21010368 | JEBARI HASSANI | ABDELHAK | 13.02 | 16.62 | 12.83 |
| 21010379 | EL AIDI IDRISSI | ACHRAF | 15.58 | 19.67 | 14.55 |
| 21010395 | ABBAD | ABDELOUAHED | 10.28 | 17.63 | 13.45 |
| 21010401 | SAKHRI | MOHAMED | 16.25 | 19.82 | 10.68 |
| 21010403 | EL ADNANI | EL MEHDI | 15.33 | 12.83 | 15.0 |
| 21010409 | ZAHAR | KENZA | 15.25 | 13.34 | 14.64 |
| 21010411 | BEN IMRAN | AHLAM | 17.3 | 13.11 | 19.92 |
| 21010423 | EL MATNI | ADAM | 16.82 | 11.24 | 19.74 |
| 21010439 | ECHCHRIKI | IMAD | 12.5 | 14.34 | 12.81 |
| 21010441 | EL M RABET | SAIDA | 12.08 | 19.2 | 14.94 |
| 21010476 | BENCHINE | ABDELILAH | 18.87 | 12.48 | 11.48 |
| 21010482 | ARIB | AYMANE | 13.27 | 13.64 | 13.73 |
| 21010740 | LIO-EDDINE | SAMIA | 14.6 | 14.59 | 15.91 |
| 21011326 | ABOU-EL KASEM | KENZA | 16.91 | 14.47 | 16.82 |
| 21011615 | TAOUIL | FATIMAEZZAHRAE | 13.11 | 17.25 | 18.09 |



| Code Apogée | Nom | Prénom | Programmation | XML | Note Finale |
|-------------|-------------|----------|---------------|-------|--------------|
| 21011667 | SOUIDAK | FIRDAOUS | 14.81 | 15.92 | 19.06 |
| 21011724 | BOUNOUAR | MOHAMMED | 18.34 | 13.02 | 10.56 |
| 21011779 | BIGAGANE | ABDELLAH | 19.36 | 17.45 | 19.91 |
| 21011780 | KONTAR | RIHAM | 17.91 | 10.84 | 10.25 |
| 21011784 | NAYA | TAHA | 17.49 | 12.57 | 10.03 |
| 21011787 | EL- OTMANI | SARA | 13.03 | 15.4 | 13.95 |
| 21015477 | SYLLA | NFALY | 10.94 | 14.11 | 14.01 |
| 22012491 | EL HLLAFI | BASMA | 17.73 | 13.24 | 11.57 |
| 22012817 | BENMGUIRIDA | ANAS | 10.45 | 12.03 | 17.57 |



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Module : Qualité & Approche Processus

| Code Apogée | Nom | Prénom | Assurance Qualité | Méthodes Agiles | Note Finale |
|-------------|-----------------|-------------|----------------------|-----------------|-------------|
| 17004026 | EL YAZGHI | MARYEM | 10.23 | 17.33 | 17.62 |
| 19005680 | FAROUC | ZAKARIA | 10.57 | 15.11 | 13.52 |
| 19006658 | EL HARIRI | KENZA | 16.34 | 15.44 | 12.9 |
| 20000104 | LABJAKH | SAFAE | 17.0 | 11.64 | 13.85 |
| 20000927 | KORAICHI | SALMANE | 11.51 | 19.25 | 14.83 |
| 20001713 | TAIBI IMMRANI | AMAL | 12.23 | 13.78 | 11.67 |
| 20001758 | AL AZAMI | TAREK | 19.88 | 18.82 | 11.94 |
| 20007042 | EL FERCHOUNI | SOUKAYNA | 18.44 | 14.89 | 11.45 |
| 20007695 | RANBOUK | LAMIAE | 13.26 | 10.15 | 16.67 |
| 20007896 | EL OUAHABI | ANASS | 12.41 | 16.32 | 15.71 |
| 20009973 | KABBOUR | WISSAL | 17.79 | 13.73 | 16.01 |
| 20011005 | BOUHNINE | SAFAA | 11.66 | 13.03 | 19.38 |
| 21002603 | BOUKER | MOHAMMED | 15.55 | 17.21 | 19.8 |
| 21009025 | BOUSSAID | MERYEME | 14.79 | 10.22 | 15.92 |
| 21009110 | BERKOUKT | AMINE | 10.93 | 12.67 | 11.91 |
| 21009157 | AZZMAN | NORELIMANE | 19.84 | 15.65 | 18.68 |
| 21009322 | SARSRI | AYMANE | 12.99 | 11.38 | 10.12 |
| 21009475 | DAHBI | MOAD | 19.25 | 11.57 | 19.81 |
| 21010011 | IKEN | HANAE | 15.63 | 18.42 | 15.32 |
| 21010231 | KEROUAN SALAH | SOUAIA | 18.64 | 19.71 | 11.48 |
| 21010242 | STITOU | ABIR | 13.67 | 16.62 | 12.86 |
| 21010255 | TAJIDI | MALIKA | 16.71 | 13.54 | 16.94 |
| 21010261 | BOULERBAH | YASSER | 15.38 | 14.48 | 10.39 |
| 21010266 | AIDOUN | IBTISSAM | 10.84 | 16.14 | 11.92 |
| 21010272 | EL AOUAD | OUAAIL | 15.07 | 13.14 | 19.64 |
| 21010274 | EL GARTI | YASSINE | 13.83 | 19.59 | 14.88 |
| 21010278 | ABDELOUAHAB | SOUFIANE | 11.25 | 15.01 | 18.09 |
| 21010287 | ALLAM | ELARBI | 13.61 | 17.32 | 14.96 |
| 21010291 | LOUAH | MOHAMMED | 16.93 | 11.21 | 17.74 |
| 21010299 | CHERKI | HOUSSAM | 10.47 | 13.18 | 12.35 |
| 21010306 | EL-BATTEOUI | OUSSAMA | 15.1 | 16.76 | 19.51 |
| 21010319 | EL GHAZI | SILIA | 16.66 | 10.07 | 11.83 |
| 21010320 | HADAD | WAIL | 12.13 | 18.2 | 16.86 |
| 21010322 | EL HARRAK | MEHDI | 15.42 | 15.01 | 15.5 |
| 21010324 | EL BAKALI | MALAK | 13.58 | 16.31 | 16.19 |
| 21010326 | CHAIBERRAS | SOUHAIL | 17.05 | 11.1 | 11.9 |
| 21010332 | OULAD MALEM | AYOUB | 13.62 | 15.73 | 16.96 |
| 21010334 | HILALY | ANAS | 10.27 | 11.81 | 19.25 |
| 21010348 | SOULHI | MALAK | 13.87 | 11.41 | 17.66 |
| 21010356 | AZZOUZ | CHAIMAE | 19.73 | 11.56 | 10.75 |
| 21010358 | AHMYTTOU | AYA | 19.08 | 14.47 | 15.57 |
| 21010359 | HAJOUZ | RIHAB | 14.33 | 19.63 | 14.33 |
| 21010368 | JEBARI HASSANI | ABDELHAK | 14.98 | 18.2 | 15.0 |
| 21010379 | EL AIDI IDRISSI | ACHRAF | 11.75 | 17.72 | 10.45 |
| 21010395 | ABBAD | ABDELOUAHED | 19.0 | 13.69 | 13.16 |
| 21010401 | SAKHRI | MOHAMED | 16.16 | 10.49 | 15.75 |
| 21010403 | EL ADNANI | EL MEHDI | 12.21 | 15.87 | 14.02 |
| 21010409 | ZAHAR | KENZA | 12.36 | 14.94 | 11.17 |
| 21010411 | BEN IMRAN | AHLAM | 18.45 | 15.38 | 14.35 |
| 21010423 | EL MATNI | ADAM | 19.41 | 19.33 | 15.13 |
| 21010439 | ECHCHRIKI | IMAD | 11.87 | 17.2 | 18.96 |
| 21010441 | EL M RABET | SAIDA | 12.04 | 10.09 | 13.85 |
| 21010476 | BENCHINE | ABDELILAH | 19.97 | 10.23 | 17.23 |
| 21010482 | ARIB | AYMANE | 15.66 | 10.45 | 16.25 |
| 21010740 | LIO-EDDINE | SAMIA | 17.33 | 13.24 | 12.83 |
| 21011326 | ABOU-EL KASEM | KENZA | 15.42 | 13.53 | 15.27 |



| Code Apogée | Nom | Prénom | Assurance Qualité | Méthodes Agiles | Note Finale |
|-------------|-------------|----------------|----------------------|-----------------|--------------|
| 21011615 | TAOUIL | FATIMAEZZAHRAE | 18.54 | 14.72 | 12.02 |
| 21011667 | SOUIDAK | FIRDAOUS | 10.71 | 17.02 | 17.01 |
| 21011724 | BOUNOUAR | MOHAMMED | 13.73 | 15.16 | 17.71 |
| 21011779 | BIGAGANE | ABDELLAH | 14.27 | 14.71 | 13.92 |
| 21011780 | KONTAR | RIHAM | 16.19 | 19.35 | 16.87 |
| 21011784 | NAYA | TAHA | 16.1 | 11.98 | 12.58 |
| 21011787 | EL- OTMANI | SARA | 12.51 | 19.33 | 15.82 |
| 21015477 | SYLLA | NFALY | 17.71 | 15.48 | 11.89 |
| 22012491 | EL HLLAFI | BASMA | 15.3 | 11.5 | 19.51 |
| 22012817 | BENMGUIRIDA | ANAS | 15.15 | 18.65 | 17.31 |



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