

| Type Diplôme : Master M1 & M2 | | | | |
|---|---|-------------------------|---------------------------|--|
| COMPOSANTE | SPECTRUM | SPECTRUM_Antenne | | |
| MENTION | MATHEMATIQUES ET APPLICATIONS | | | |
| CODE DIPLOME | - | | | |
| Session M1 | | | | |
| Session M2 | Session Unique | | | |
| Régime d'inscription | Initiale Hors-Apprentissage / Formation Continue / Formation Permanente | | | |
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| Parcours Type en Master | | | | |
| Parcours Type | Mathématiques fondamentales et appliquées - double diplôme Maroc | | | |
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| Heures Maquette Année 1 | Heures Valorisées Année 1 | Heures Maquette Année 2 | Heures Valorisées Année 2 | |
| 0 | 0 | #REF! | #REF! | |
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| COMPENSATION | | | | |
| Les MCC déterminent le mode de compensation entre UE, semestre et année ainsi que la possibilité d'une note éliminatoire. | | | | |
| Obtention des UE | | | | |
| Session unique. Les MCC des UE/ECUE sont identiques aux MCC de ces UE/ECUE dans les formations porteuses.☒ | | | | |
| Obtention du Semestre | | | | |
| Pas de compensation entre les cours UniCA et les cours de l'université d'origine | | | | |
| Obtention de l'Année | | | | |
| Pas de compensation entre les semestres sauf décision du jury de fin d'année | | | | |
| Note éliminatoire/ Note seuil | | | | |
| Non | | | | |
| REDOUBLEMENT | | | | |
| Aucun redoublement autorisé | | | | |
| Textes réglementaires | | | | |
| Arrêté du 30 juillet 2018 relatif au diplôme national de licence | | | | |
| Arrêté du 22 janvier 2014 fixant le cadre national des formations conduisant à la délivrance des diplômes nationaux de licence, de licence professionnelle et de master | | | | |

| Composante | SPECTRUM | Diplôme | MATHEMATIQUES ET APPLICA | Code diplôme | - | |
|------------|------------|--|--------------------------|--------------|---|--|
| | | Parcours type : Mathématiques fondamentales et appliquées - double diplôme Maroc | | | | |
| Année | 1ère année | | Code Année : | Session | | |
| Semestre | Semestre 1 | | Code Semestre : | | | |

| Libellé | Nature | Statut | Coefficient | Notes attendus | Résultat attendu: (ACQ/AJ) | Conservation note | Capitalisable | Compensable | Seuil de compensation /20 | Type de contrôle | Si CC&CT coef du CT | Nbre d'évaluation minimum | 1ère session | | | Seconde Chance | | | Modalités de mise en œuvre |
|---------|--------|------------------|-------------|----------------|----------------------------|-------------------|---------------|-------------|---------------------------|------------------|---------------------|---------------------------|--------------|-------|---------------------|----------------|-------|--|----------------------------|
| | | | | | | | | | | | | | Nature | Durée | Format d'évaluation | Nature | Durée | | |
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| Composante | SPECTRUM | Diplôme | MATHEMATIQUES ET APPLICA | Code diplôme | | | | | | | | | | | | | | |
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| | | Parcours type | Mathématiques fondamentales et appliquées - double diplôme Maroc | | | | | | | | | | | | | | | |
| Année | 2ème Année | | Code Année : | | Session | | | | | | | | | | | | | |
| | Semestre 3 | | Code Semestre : | | 1ère session | | | | | | Seconde Chance | | | | | | | |
| Libellé | Nature | Statut | Coefficient | Notes attendus | Résultat attendu: (ACQ/AJ) | Conservation note | Capitalisable | Compensable | Seuil de compensation /20 | Type de contrôle | Si CC&CT coef du CT | Nbre d'évaluation minimum | Nature | Durée | Format d'évaluation | Nature | Durée | Modalités de mise en œuvre |
| Bloc UNICA | BLOC | Modification MCC | | | | | | | | | | | | | | | | |
| min 2 max 2 | OPTION | Modification MCC | | | | | | | | | | | | | | | | |
| Geometry / dynamics | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Algebraic topology / Algebraic varieties | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Complex geometry / Algebraic geometry / Complex analysis | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Functional analysis | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Mathematical tools for partial differential equations | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Numerical methods for partial differential equations | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Stochastic calculus and applications | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Stochastic calculus and applications | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Stochastic calculus and applications : research train | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Probabilistic computational methods | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Probabilistic computational methods | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Probabilistic computational methods : research train | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Advanced stochastic and Applications | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Advanced stochastic and Applications : Theory | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| min 1 max 1 | OPTION | Modification MCC | | | | | | | | | | | | | | | | |
| Applications to math finance | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Applications to neurosciences | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
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| Advanced geometry/topology/dynamical systems | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Algebraic geometry/complex geometry/complex analysis | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Advanced PDE analysis | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Methods for numerical analysis and scientific computing | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Methods of Machine Learning and Computational optimization | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Fundamentals of Machine Learning | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Computational optimal transport | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Machine learning from and for graphs and Geometric statistics | UE | Modification MCC | | | | | | | | | | | | | | | | |
| Statistical learning from and for graphs | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
| Geometric statistics | ECUE | Modification MCC | | | | | | | | | | | | | | | | |
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| BLOC PARTENAIRE S3 | | Modification MCC | | | | | | | | | | | | | | | | |
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