

Dr. Walid (Oualid) Ali

Followed courses

(Bsc, Msc, PhD)



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Bsc, M.Sc, PhD



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 College of Business Administration
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● **Bacc. courses (English/French):**

- **Data structure I (Basic):** Structures de données I
- **Data structure II (Advanced):** Structure de données I
- **Networking:** Téléinformatique
- **Theoretical computing :** Informatique théorique
- **Programming languages :** Langages de programmation (Lisp, Scheme, ADA, etc.)
- **Functionnal programming languages:** Programmation fonctionnelle (Lisp, Scheme, etc.)
- **Algorithm and programming I (Basic):** Algorithmique et programmation (C, Visual Basic)
- **Algorithm and programming II (Advanced) :** Algorithmique et programmation (C++, Java)
- **Oreinted Object Programming concept :** Programmation orientée objet
- **Oreinted Object Programming Language :** Langages de programmation orientée objet
- **Internal structures of computer :** Structure interne des ordinateurs
- **Operating systems:** Systèmes d'exploitation (dos, MSWindows, unix, linux)
- **Design and analysis of algorithms :** Conception et analyse d'algorithmes
- **Database systems :** Modèles et langages des bases de données
- **Advanced database systems :** Applications avancées des bases de données
- **Human-Machine interface :** Interface personne-machine
- **User interface engineering :** Ingénierie des interfaces personne-machine
- **Design and analysis of Object Oriented systems (OOS) :** Analyse et conception des systèmes orientés objets
- **Software engineering and design:** Genie logiciel
- **Information systems analysis and design :** Analyse et conception de systèmes d'information
- **Artificial intelligence I (Basic) :** Intelligence artificielle I
- **Artificial intelligence II (Advanced) :** Intelligence artificielle II
- **Projects management :** Gestion de projets informatiques
- **Internet and Web programming :** Programmation Internet

- **Computer learning:** Apprentissage automatique
- **Visual Basic programming language:** Basic et Visual Basic

Courses which not belong to computer science field

- **Accounting:** Comptabilité
- **Statistics:** Statistiques
- **Operational research:** Recherche opérationnelle
- **Math I (Basic):** Mathématique I
- **Math II (Advanced):** Mathématique II
- **Human resources management:** Gestion des ressources humaines

● **Master and PhD courses (English/French):**

- **Practical aspect in computer security :** Aspects pratiques de la sécurité informatique
- **Network security :** Sécurité dans les réseaux informatiques
- **Knowledge representation :** Représentation des connaissances et modélisation
- **Forms recognition :** Reconnaissance des formes
- **User interface engineering :** Ingénierie des interfaces personne-machine
- **Static analysis and metrics of algorithms and software :** Analyse statique et métrique du logiciel
- **Software validation :** Validation de logiciels
- **Algorithms analysis and Complexity:** Complexité de calcul et NP-complétude
- **Cryptography and computer security:** Cryptographie et sécurité informatique
- **Formal specification and software validation :** Spécification formelle et vérification de logiciels
- **Artificial intelligence:** Intelligence artificielle
- **MultiAgent Systems:** Systèmes multiagents
- **Agents Oriented Software engineering:** Génie logiciel orienté agents