
ABDELGADIR
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MOHAMMED



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OBJECTIVE

To work in an environment
that challenges me to improve
and constantly thrive for

EXPERIENCE

TEACHING ASSISTANT 2002 – 2007

Responsible for:

- Performing teaching or teaching-related duties to assist faculty members, professors, department heads and other faculty
- Proctors exams
- Grades tests and homework, and records grades in grade book
- Assigns material in class as needed.

ASSISTANT PROFESSOR Dec-2012 – Till Now

Responsible for:

- Teaching courses in the discipline area of civil engineering
- Developing and designing curriculum plans to foster student learning
- Stimulate class discussions
- Ensures student engagement
- Provides tutoring and academic counseling to students
- Maintains classes related records
- Assesses student coursework
- Collaborate and supports colleagues regarding research interests and co-curricular activities and reports to a department head
- Attend department meetings
- Supervise program of study of undergraduate

SUMMARY

Profoundly knowledgeable, creative, analytic and detail oriented civil engineering teacher with good background in making contributions to teaching effort of a university and carrying out activities to maintain the develop scholarship, research and professional activities relevant to civil engineering

SUMMARY OF QUALIFICATIONS

*More than 18 years' experience;
Strong research background;
Strong analytical and numerical skills;
Good ability to work as a part of a team;
Profound ability to communicate well both orally and in writing;
Great commitment to total undergraduate development in the professional context of academy;
Great commitment to growth and development in research, services, and other scholarly activities;*

ENGINEERING ADMINISTRATION DIRECTOR

Jan-2014 – June 2016

I held the position of the director of the Engineering administration at the Nile Valley University for more than two years. I was responsible for:

- *manage, design, develop, create small-scale through to large-scale construction projects in a safe, timely and sustainable manner*
- *conduct on site investigations and analyze data (maps, reports, tests, drawings and other)*
- *Establishing a project brief and budget proposals before the start of a project*
- *carry out technical and feasibility studies and draw up blue prints that satisfy technical specifications*
- *assess potential risks, materials and costs*
- *Provide advice and resolve creatively any emerging problems/deficiencies*
- *Oversee and mentor staff and liaise with a variety of stakeholders*
- *Attending regular multi-disciplined meetings to discuss projects*
- *Monitor progress and compile reports in project status*
- *Regularly checking progress of works according to the schedule*
- *Performing regular site visits, inspections, audits and surveys*
- *Comply with guidelines and regulations including permits, safety etc ... and deliver technical files and other technical documentation as required*

EDUCATION

PHD

Department of Bridge and Tunnels, Hohai University,
P.R.China

Thesis: Computational Study of Concrete Filled Steel Tubular Columns under Axial and Combined Loading.

Good ability to publish in local and international journals;

Immense interest in collaborating with industry and other academic /research institutions;

Sound interest in educational innovation, using computer-supported project-based learning techniques.

SKILLS

Communication: *I have a proven ability in effective communication, diagrammatically, verbally and in written form. I have successfully communicated, liaised and worked with various professionals from all backgrounds and with a variety of different skill sets.*

IT and Design: *I have good working knowledge of the following computer programs: Microsoft Office packages, Computer and Structures packages, STAAD PRO, ROBOT, ANSYS, SolidWorks, My house, WaterGEMS AutoCAD 2D/3D, , REVIT, SketchUp, Adobe Photoshop and Illustrator.*

MSc

Department of Bridge and Tunnels, Hohai University, P.R.China

Thesis: Static Analysis of Plates and Bridges Using Finite Prism Method.

BSc

Department of Civil Engineering, Faculty of Engineering, Nile Valley University, Atbara-Sudan

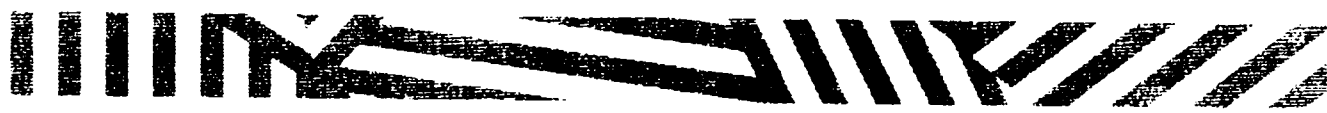
SUBJECT TAUGHT

- *Surveying*
- *Strength of Materials*
- *Applied Mechanics*
- *Theory of Structures*
- *Finite Element*
- *Structural Optimization*
- *Bridge Analysis and Design*
- *Design of Reinforced Concrete structures*
- *Design of Steel Structures*
- *Project Planning and Management*
- *Building Materials*
- *Concrete Technology*
- *Estimation and Quantity Surveying*
- *Soil Mechanics*
- *Foundation Engineering*
- *Construction Engineering*
- *Computer Applications in Civil Engineering*
- *Applied Mathematics and Numerical Analysis*

PROFESSIONAL TRAINING AND QUALIFICATIONS

I have attended a number of training courses its details as follows:

- *the initial course in educational development (December 2013)*
- *leadership preparation course (2015)*



Management: I have good ability to mentor, develop, inspire and lead groups of people to achieve the objectives set by the organization. I am a friendly, approachable and inspiring professional and I lead my team by example.

- *the first course in GIS application in civil Engineering (2017)*
- *the initial course in strategic planning (2018)*
- *WaterGEMS software for the design of water treatment plants and water distributions networks (September 2018)*
- *The country course on training trainers in the field of entrepreneurship for Nile Valley University organized by the Arab League- Arab Organization for Agricultural Development in Cooperation with the Nile Valley University (March-2020)*

VOLUNTEER EXPERIENCE OR LEADERSHIP

- *Editor-in-chief of the Engineering Sciences Journal.*
- *The first president and founder of the Sudanese students union in the provinces of eastern China- 2010-2012.*

PAPERS PUBLISHED IN JOURNALS

- *Static analysis of plates and bridges using finite prism method, paper science online, 2007*
- *The behavior of lightweight aggregate concrete filled steel tube columns under eccentric loading, Steel and Composite Structures, 2011, Vol.11, No. 6, pp. 469-488.*
- *Flexural behavior of lightweight aggregate concrete filled steel tube, Advanced steel construction, 2014, Vol.10.No.4, pp. 385-403.*
- *Axial capacity of lightweight aggregate concrete filled circular steel tubes columns subjected to eccentric loading, Journal of the Sudanese Engineering council , 2016*