HOW TO UPGRADE RESEARCH SKILLS FOR POSTGRADUATE STUDENTS WITHIN PRELIMINARY STAGE



by Dr. SUHAD MOHAMMED

Learning process and its Goals



- Higher order skills and knowledge expected to be transferable
- encourage and advocating post graduates to contribute in department activities
- Facilitate research management during second year of studying
- Facilitate writing process for students (research papers and thesis)
- Publishing experience

Success depends on :-



- understanding postgraduates capabilities
- Encouraging motive and ambitions
- Time available
- Lab facilities
- Selecting of research subject
- and managing of research



RESEARCH METHODOLOGY

OBJECTIVES AND GOALS

Presentation Skills



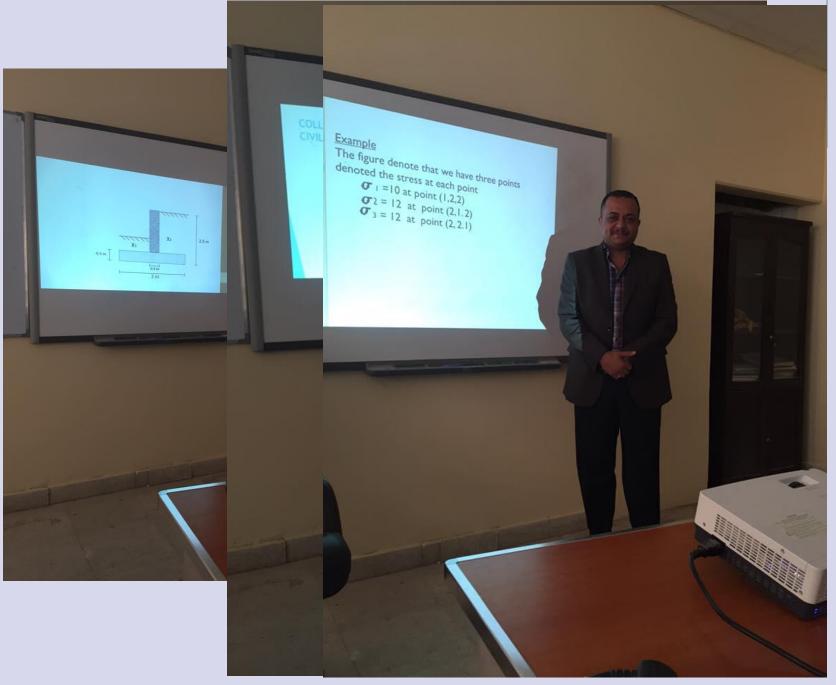
What is presentation? 5 BASIC Q'S:-Who What When Where Why Structure of presentation Visual aids Human element

Presentation skills







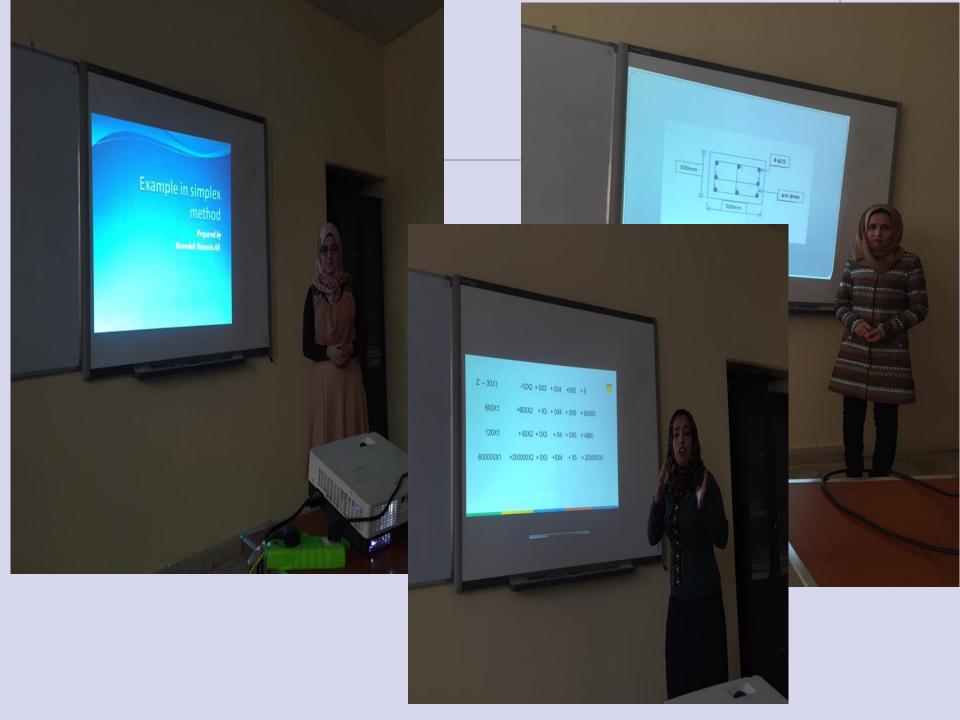






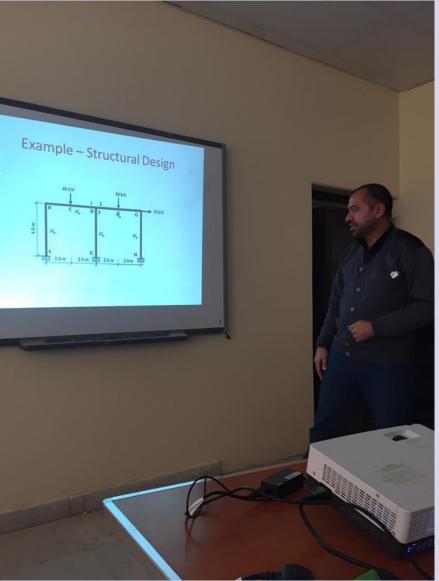


Reverse Learning Process









Research Management



- Understanding research concept
- Managing your research
- Research and Innovation
- High-Quality Research
- What Research Is
- What Research Is Not
- Scheduling your Research
- Time Management
- Supervisory Relationship









How to write a research paper





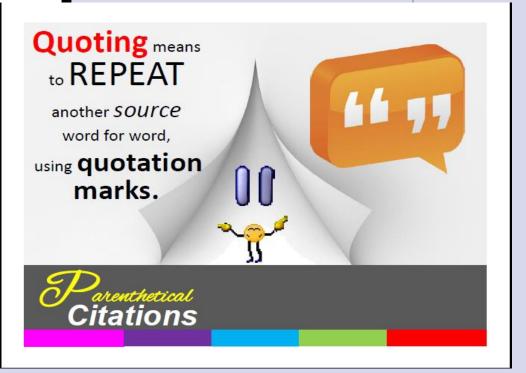
Why do you need to learn how to write a research paper?

➤In your master study, you will be asked to write research papers, and you need to learn what goes into writing a successful paper.

➤ This PowerPoint presentation will give you step-by-step directions on how your teachers/professors expect you to write a basic research paper.

Learning Targets:

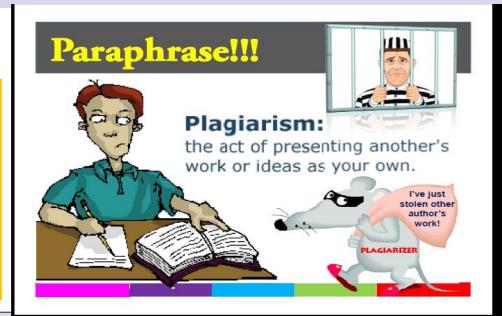
- 1. How to choose a topic?
- 2. How to write a thesis or introductory statement?
- Understand the difference bet. plagiarism and accept plagiarism
- Learn how to use "parenthetical notations."
- 5. Bibliography & proper for



BE ORIGINAL AND DON'T PLAGIARIZE

PLAGIARISM

- 1. Passing of someone else's work as your own, whether we do this deliberately or not.
- Not acknowledging when using information (i.e. data, tables, figures or graphics) from other writers.
- **3. Inadequately** paraphrasing a source.



How to write your Thesis



- Where to Start?
- What does thesis mean?
- For whom Your Thesis is Written
- Separating your work from others
- Presentation and Style
- Deadline of submission
- Format and Structure
- CONFIDENCE!



Learning transfer













اخبار الكلية

محاضرة تفاعلية في قسم الهندسة المدنية بين طلبة الدراسات العليا وطلبة الدراسات الأولية

266 مشاهدة من**خخخ** 2 ا

تحدیث 11:14 21/04/2016 صباحا



يرعلية السيد رئيس قسم الهندسة المدنية الأسكاد المساعد الدكور حافظ إيراهيم الام قسم الهندسة المدنية محاضرة تعاعلية بين طلبة الدراسات العليا الماجستير / فرع الاشاءات وطلبة الدراسات الأولية / المرحلة الثانية لمادة تكتلوجيا الخرسانة باشراف الأسكاد المساعد الدكتورة سهاد محمد عبد وقد شارك بالقاء المحاضرة كل من طلبة الماجستير همام عبد السئار و فهد محمد وكان موضوع المحاضرة تصميم الخلطات الخرسانية باستخدام الطريقة الامريكية (ACI) وتميزت المحاضرة بالتقاعل الإيجابي بين طلبة الدراسات الأولية وطلبة الدراسات العليا علما بان هذه التجربة تم الجراءة سابقا وحققت نشاح جيدة جدا بشهادة طلبة المجموعتين كأسلوب في التعليم الموجه.



Application of learning process (outcomes):



- TECHNICAL WRITING
- SIMPLE RESEARCH EXPERIENCE
- MANAGING RESEARCH (NO. OF SAMPLES & NO. OF TESTS)
- DATA INTERPRETATION
- SCIENTIFIC PAPER WRITING
- PUBLISHING WITH A JOURNAL
- SUBMITTING
- JOURNAL STYLE
- PAYMENT PROCEDURE
- ACCEPTANCE

Int. J. Engy. Res. & Sci. & Tech. 2016



International Journal of Engineering Research and Science & Technology

ISSN 2319-5991 www.ijerst.com Vol. 5, No. 3, August 2016 © 2016 IJERST. All Rights Reserved

Research Paper

PRODUCING GREEN CONCRETE USING WASTE PLASTIC

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One step of societies' development scientifically, geometrically and industrially is intellectual integration with human necessity. This study focused on producing green concrete by using waste plastic as a partial replacement for sand by 0%, 25%, 50% and 70% respectively (by volume). This study will determine the efficiency of reusing waste plastic in the production of concrete comparing with the normal concrete. All of the concrete mixtures were tested at room temperature including performing slump, density and compressive strength. Eighteen cubes were molded for compressive strength and fresh density tests; curing ages of 7 and 28 days for the concrete mixtures were applied in this work. The results showed a fall of compressive strength at 28 days about 35% and 71% or the concrete containing 25% and 70% of waste respectively and showed that we can use wastes and by-product materials as a sand-substitution aggregate and also reduce the cost of some materials, and with that green concrete born.

Keywords: Waste plastic, Green concrete, Compressive strength, Slump, Density

INTRODUCTION

The productive use of waste material represents a means of alleviating some of the problems of solid waste management (Davis and Cornwell, 1998) from different points of view, it is important to reuse waste plastic. It helps to save and sustain to reuse waste plastic. It helps to save and sustain decreases the pollution of the environment and it also helps to save and recycle energy production processes. Wastes and industrial by-products should be considered as potentially valuable

resources merely awaiting appropriate treatment and application. Waste plastic among these materials, the disposal of waste plastic has a harmful effects on the environment because of their long biodegradation period and using them in other industries and applications will reduce their negative effect on the environment (Hassani et al., 2005). Concrete plays an important role in the beneficial use of these materials in construction. Although some of these materials can be beneficially incorporated in concrete, both

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Research Paper

AS CONCRETE ADMIXTURE

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Admixtures are used to after the properties of concrete. Admixtures are substances introduced into a batch of concrete during or immediately before its mixing. There are numerous benefits available through the use of admixtures such as: improved quality, coloring, greater concrete strength, increased flow for the same water-cement ratio, enhanced frost and suiphate

resistance, improved fire lower density and improve the type of cement, mix this particular study user The starch is added for te cement increases with the addition of 1% of comest density. Compressive streaming in the addition admixtures such as correct the additional cost of using the start the additional cost of using the start the additional cost of using the start the additional cost of using the addi

Keywords: Concrete ad

INTRODUCTION

Admixtures are incorporat today's world in order to ach This in effect improves the pri hardened concrete. The admixtures on properties or for example on a lot of factor groups, chemical configura weight (Ouyang et al., 2

Department of Civil Engineering, C

This article

Int. J. Engs. Res. & Sci. & Tech. 2016



International Journal of Engineering Research and Science & Technology

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Research Paper

EFFECTIVE REPLACEMENT OF FINE AGGREGATES BY EXPANDED POLYSTYRENE BEADS IN CONCRETE

Suhad M Abd¹, Dhamya Gh.¹, Maan Hattem¹ and Dunya Khalil¹

*Corresponding Author: Maan Hattem M dyalatophousing@yahoo.com

With the increase in demand for construction materials there is a strong need to utilize alternative

vestigation is to study the weight concrete containing with those of the normal bement to fine aggregates, ted in concrete influences ingth less than a certain as found that compressive to concrete were 41%, 38

ressive strength

is a cause of concern to in this study, it is attempted to arse aggregates by means of heral discussion on EPS its ts application along with cerns are being discussed. int cellular plastics material herical shaped particles which f about 98% air and 2% a closed cell structure and er. It has a good sound and

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International Journal of Engineering Research and Science & Technology

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Research Paper

Int. J. Eray, Res. & Sci. & Tech. 2016

THE EFFECT OF RUBBER CRUMBS ON PROPERTIES OF CONCRETE

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*Corresponding Author: Suhad M Abda i suhadukm@yahoo.com

Crumb rubber is a material produced by shredding and commutating used tires. There is no doubt that the increasing piles of tires create environmental concerns. The long term goal of this research is to find a means to dispose of the crumb rubber in Portland cement concrete and still provide a final product with good engineering properties. Several trail mix with replacement with rubber (5%, 10%, 15%) of coarse aggregate and 5% of fine aggregate. Concrete laboratory tests included slump, density and compressive the slump decrease with increase of crumb



اخبار الكلية



نشر بحوث علمية لطلبة الماجستير لقسم الهندسة المدنية

تحديث 9:32 07/08/2016 مساءا

برعاية ودعم عمادة كلية الهندسة ومساندة قسم الهندسة المدنية وفي خطوة علمية متميزة تهدف الى تطوير الإمكانيات البحثية وتعزيز القدرات العلمية لطلبة الماجستير – السنة التحضيرية وكثمرة لما درسه الطلبة في مادة منهجية البحث العلمي في الفصل الدراسي الأول واستكمالا للجزء التطبيقي لمادة تقنيات الخرسانة المتقدمة في الفصل الدراسي الثاني والتي تدرسها الأستاذ المساعد الدكتور سهاد محمد عبد وباشرافها ومساهمتها العلمية والفنية تمكن مجموعة من طلبة السنة التحضيرية لدراسة الماجستير في قسم الهندسة المدنية من نشر أربعة بحوث في احدى المجلات العلمية العالمية (International Journal of Fnainearing Research and Science &



(Technology" (IJERST). والمصنفة ضمن عُدة ادلة عالمية منها دليل الفهرسة العالمي (Index Copernicus International) تناولت البحوث المواضيع التالية:

- Producing Green Concrete Using Waste Plastic (Suhad M Abd, Fahad Mohammad* Humam [1] (Abdul-sattar and Mais Malallah
- Effect of Using Corn Starch as Concrete Admixture (Suhad M Abd*, Qasssim Y Hamood Alaa S [7] (Khamees and Zainah H Ali
- Effective Replacement of Fine Aggregates by Expanded Polystyrene Reads in Concrete (Suhad M [3]

 (Abd, Dhamva Gh. Maan Hattem* and Dunya Khalil
 - The Effect of Rubber Crumbs on Properties of Concrete (Suhad M Ahda* Nagham N Ahhash [4] (Rowedah H Alic and Mustafa A Farhoodd

وقد حملت جميع البحوث اسم جامعة ديالي - كلية الهندسة - قسم الهندسة المدنية إزاء الباحثين وهي تعتبر اول تجربة بحثية للطلبة وأول تجربة في تطبيق تقنيات التعلم الحديثة باشراك الطلبة عمليا بإنجاز بحث علمي تطبيقي في مادة الاختصاص ونشره عالميا لتحقيق عدة اهداف أهمها انجاز ممارسة تطبيقية لمادة منهجية البحث العلمي وتطبيق عملي لمادة تقنيات الخرسانة المتقدمة وتعزيز قدرات الطلبة ورفع مستوى الثقة الذاتية لديهم وتشجيع الطلبة باعتماد أسلوب الفرق العلمية والبحثية لحل القضايا والمشاكل العلمية بروحية الفريق الواحد.





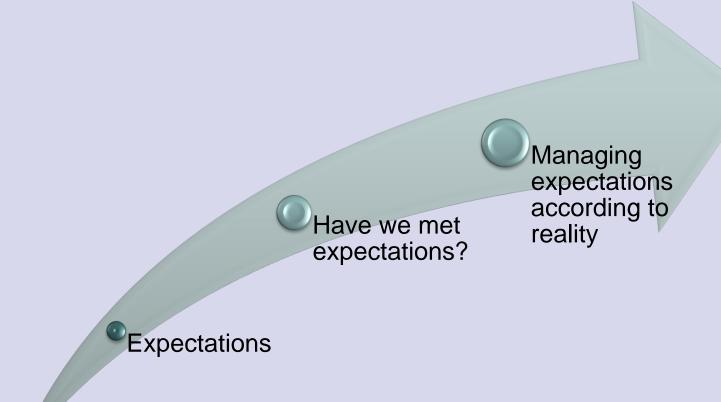












BE POSITIVE



