

**CB524 Methods & Equipment For Construction II**

**COURSE INFORMATION**

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laborator y	
CB523	5	10	2	2	0	3

**COURSE AIM**

The aim of this course is at introducing the student to the knowledge of construction engineering in the area of heavy construction.

**COURSE WEEKLY CONTENTS**

- 1 Earth moving basis.
- 2 Hydraulic excavators (1).
- 3 Hydraulic excavators (2).
- 4 Draglines and clamshells (1).
- 5 Draglines and clamshells (2).
- 6 Estimating equipment performance.
- 7 Dozer. + Midterm Exam
- 8 Loaders, buckets.
- 9 Trucks and Wagons (1).
- 10 Trucks and Wagons (2).
- 11 Piles and pile-driving equipment.
- 12 Scrapers.
- 13 Belt-Conveyor systems.
- 14 The production of crushed stone aggregate.
- 15 Health and safety.

**STUDENT GRADING & ASSESSMENT**

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
<b>1 to 7</b>	<b>20 Midterm</b>	←	1 0	M A R K S		→	<b>30</b>
To be freely distributed among possible assessments							
<b>8 to 12</b>	←		2 0	M A R K S		→	<b>20</b>
<b>13 to 15</b>	←		1 0	M A R K S		→	<b>10</b>
<b>16 or 17</b>	<b>40 Final</b>						<b>40</b>
<b>Total</b>	<b>Exams</b>	<b>Assign.</b>	<b>Quizzes</b>	<b>Reports</b>	<b>Present.</b>	<b>Lab.</b>	<b>100</b>

**REFERENCES**

<b>Textbook</b>	Managing Construction Equipment, S.W. Nunnally, Prentice Hall, 2nd Edition, 1999.
<b>Other</b>	Construction Equipment Management, Schaufelberger.J, Prentice Hall, Latest Edition. Construction Equipment Guide, Day D.A., Benjamin N.B.H., Wiley-Interscience, Latest Edition.