

|  |  | Others |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Evaluation |  | Methods | Date/deadlines | Percentage (\%) |
|  |  | Midterm Exam |  | 30 |
|  |  | Class Participation |  | 5 |
|  |  | Quizzes |  | 20 (3 quizzes) |
|  |  | Activity |  |  |
|  |  | Final Exam |  | 40 |
|  |  | Total |  | 100 |
| Policy |  | - Preparation for class <br> The structure of this course makes your individual study and preparation outside the class extremely important. The lecture material will focus on the major points introduced in the text. Reading the assigned chapters and having some familiarity with them before class will greatly assist your understanding of the lecture. After the lecture, you should study your notes and work relevant problems and cases from the end of the chapter and sample exam questions. <br> Throughout the semester we will also have a large number of review sessions. These review sessions will take place during the regularly scheduled class periods. <br> - Quizzes and examinations <br> Quizzes may be given unannounced throughout the term. There will be no make-up quizzes. <br> - Withdrawal (pass/fail) <br> This course strictly follows grading policy of the School of Engineering and Applied Science. Thus, a student is normally expected to achieve a mark of at least $60 \%$ to pass. In case of failure, he/she will be required to repeat the course the following term or year. <br> - Cheating/plagiarism <br> Cheating or other plagiarism during the Quizzes, Mid-term and Final Examinations will lead to paper cancellation. In this case, the student will automatically get zero (0), without any considerations. <br> - Professional <br> behavior <br> guidelines <br> The students shall behave in the way to create favorable academic and professional environment during the class hours. Unauthorized discussions and unethical behavior are strictly prohibited. <br> - Ethic <br> Use of any electronic devices is prohibited in the classroom. All devices should be turned off before entering class. This is a university policy and violators will be reprimanded accordingly! <br> Students should not arrive in late to class! |  |  |
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| Tentative Schedule |  |  |  |  |
| 苞 | Date/Day (tentative) | Topics |  | Textbook/ Assignments |
| 1 | $\begin{aligned} & 13.02 .24 \\ & 13.02 .24 \\ & \hline \end{aligned}$ | - Sets ( Venn diagrams) <br> - Operations on sets |  | [2] 280-288 |
| 2 | 20.02.24 | - Natural Numbers ( divisibility rules, GCF and LCM) |  | [1] ch.1, 2 |


|  | 20.02.24 | - Problem solving |  |
| :---: | :---: | :---: | :---: |
| 3 | $\begin{aligned} & 27.02 .24 \\ & 27.03 .24 \end{aligned}$ | - Operations with Fractions <br> - Problem solving | [1] 250-299 |
| 4 | $\begin{array}{r} 05.03 .24 \\ 05.03 .24 \\ \hline \end{array}$ | - Operations with decimals <br> - Problem solving | [1] 107-147 |
| 5 | $\begin{aligned} & \hline 12.03 .24 \\ & 12.03 .24 \end{aligned}$ | - Angles, parallel lines <br> - Problem solving | $\begin{aligned} & \text { Quiz (6 pts) } \\ & \text { [2] 294-299 } \end{aligned}$ |
| 6 | $\begin{aligned} & \hline 19.03 .24 \\ & 19.03 .24 \end{aligned}$ | - Customary units of measurements <br> - Problem solving | [1] 425-457 |
| 7 | $\begin{aligned} & 26.03 .24 \\ & 26.03 .24 \end{aligned}$ | - Ratio and Proportion <br> - Problem solving | [2] 104-107 |
| 8 | $\begin{aligned} & 02.04 .24 \\ & 02.04 .24 \end{aligned}$ | - Triangles (Area. Triangle inequality) <br> - Problem solving | [1] 175-178 |
| 9 | $\begin{aligned} & \hline 09.04 .24 \\ & 09.04 .24 \end{aligned}$ | - Midterm Exam <br> - Right triangles ( Pythagoras theorem) | $\begin{aligned} & {[2] 108-117,} \\ & 158-165 \end{aligned}$ |
| 10 | $\begin{aligned} & \hline 16.04 .24 \\ & 16.04 .24 \end{aligned}$ | - Circle ( Area and circumference) <br> - Problem solving | $\begin{aligned} & \text { Quiz (7 pts) } \\ & {[2] 67-76,115-} \\ & 134 \end{aligned}$ |
| 11 | $\begin{aligned} & 23.04 .24 \\ & 23.04 .24 \\ & \hline \end{aligned}$ | - Equations with single variables <br> - Problem solving | [1] 244-261 |
| 12 | $\begin{aligned} & 30.04 .24 \\ & 30.04 .24 \end{aligned}$ | - Quadrilaterals and their areas <br> - Problem solving | [2] 473-476 |
| 13 | $\begin{aligned} & 07.05 .24 \\ & 07.05 .24 \end{aligned}$ | - Three-dimensional figures <br> - Problem solving | Quiz (7 pts) <br> [1] 477-480 |
| 14 | $\begin{aligned} & 14.05 .24 \\ & 14.05 .24 \end{aligned}$ | - Volume of 3D shapes <br> - Problem solving | [2] 232-262 |
| 15 | $\begin{aligned} & 21.05 .24 \\ & 21.05 .24 \end{aligned}$ | - Statistics ( Mean, median and mode) <br> - Problem solving | [1] 468-482 |
|  | TBA | Final Exam |  |

This syllabus is a guide for the course and any modifications to it will be announced in advance.

