| BACIS MATHEMATICS II | | | | | | | | | | | |
|----------------------|---|--|---|--|--|--|--|--|--|--|--|
| 1 | Course Title: | BACIS N | MATHEMATICS II | | | | | | | | |
| 2 | Course Code: | İMT1002 | İMT1002 | | | | | | | | |
| 3 | Type of Course: | Compuls | sory | | | | | | | | |
| 4 | Level of Course: | First Cyc | cle | | | | | | | | |
| 5 | Year of Study: | 1 | | | | | | | | | |
| 6 | Semester: | 2 | | | | | | | | | |
| 7 | ECTS Credits Allocated: | 3.00 | .00 | | | | | | | | |
| 8 | Theoretical (hour/week): | 2.00 | | | | | | | | | |
| 9 | Practice (hour/week): | 0.00 | | | | | | | | | |
| 10 | Laboratory (hour/week): | 0 | | | | | | | | | |
| 11 | Prerequisites: | None | | | | | | | | | |
| 12 | Language: | Turkish | | | | | | | | | |
| 13 | Mode of Delivery: | Face to | face | | | | | | | | |
| 14 | Course Coordinator: | Doç. Dr. | YELİZ YAZGAN | | | | | | | | |
| 15 | Course Lecturers: | | | | | | | | | | |
| 16 | Contact information of the Course Coordinator: | Yrd. Doç. Dr. Yeliz Yazgan | | | | | | | | | |
| | | | 224.4429204 azgany@uludag.edu.tr | | | | | | | | |
| 17 | Website: | | | | | | | | | | |
| 18 | Objective of the Course: | - unders unkowns - can ma - unders - unders - unders - unders operation | - understand equation concept and can operate with them - understand linear and quadratic equations with one and two unkowns - can make simple factorization procedures - understand relations and functions - understand dual operation concept - can draw graphs of linear and quadratic functions with one variable - understand basic plane geometry knowledge - understand basic solid geometry knowledge and can carry out operations about them - understand measurement concept and basic measurement units | | | | | | | | |
| 19 | Contribution of the Course to Professional Development: | | | | | | | | | | |
| 20 | Learning Outcomes: | | | | | | | | | | |
| | | 1 | understanding equation concept and being able to operate with them | | | | | | | | |
| | | 2 | understanding linear and quadratic equations with one and two unknown and being able to solve them | | | | | | | | |
| | | 3 | being able to make simple factorization procedures | | | | | | | | |
| | | 4 | understanding relation and function concepts and being able to make samples about them | | | | | | | | |
| | | 5 | understanding dual operation concept and being able to operations of them | | | | | | | | |
| | | 6 | understanding basic elements of plane geometry and geometric concepts | | | | | | | | |
| | | 7 | understanding angles and their properties, and being able to solve problems about them | | | | | | | | |
| | | 8 | being able to solve problems about basic solid geometry | | | | | | | | |

| | 9 | | | | | | | | | being able to compute surface areas of triangle, parallelogram, trapezoid, regular polygon, circle and prism; being able to volume of prism and cylinder. | | | | | | | | | |
|---------------------|---|--|---------|---------|--------|--------------|--------|---------|------|---|--------|----------|----------|-----------------|--------|-------|---------------------------|--|--|
| | | | | | | | 1 | 0 | | - | | | | | | | | | |
| 21 | Cours | se C | Conter | nt: | | | | | | | | | | | | | | | |
| | | | | | | | | C | our | se Co | ntent | : | | | | | | | |
| Week | Theoretical | | | | | | | | Pr | actice | | | | | | | | | |
| 1 | Equat | ion | conc | ept an | d pro | perties | of equ | uation | s | | | | | | | | | | |
| 2 | | | | | | d inequ | | | | | | | | | | | | | |
| 3 | Lines | and | d coor | dinate | syste | em | | | | | | | | | | | | | |
| 4 | Linea | Linear equation systems and their solutions. | | | | | | | | | | | | | | | | | |
| 5 | Facto | Factorization procedures | | | | | | | | | | | | | | | | | |
| 6 | quadr | atio | equa | tions | and th | neir sol | utions | | | | | | | | | | | | |
| 7 | function | ons | and o | drawin | g fun | ction g | raphs | | | | | | | | | | | | |
| 8 | Point, | lin | e and | plane | | | | | | | | | | | | | | | |
| 9 | Angle | s a | nd me | easure | ment | of ang | les | | | | | | | | | | | | |
| 10 | polyge | Angles and measurement of angles polygons, regular polygons, circle, pi number, length of arc | | | | | | | | | | | | | | | | | |
| 11 | - | | | der, co | ne, b | asic tri | gonor | netry | Т | | | | | | | | | | |
| 12 | | | | | | s of re | | le, | | | | | | | | | | | |
| | parallelogram, triangle and trapezoid Activites | | | | | | | | | Number | | | | Duration (hour) | | | Total Work Load (hour) | | |
| Theore | pyran | nid, | cone | and s | phere | | | | | 14 | | | | | 28.00 | | | | |
| Practic | als/Lab | os | | | | | | | | 0 | | | | 0.00 | | | | | |
| Self stu | iviater dy and | iais 3 pi | epera | ation | | | | | Y | yynciii | K. | 6). Basi | 3,00 | ti | - Naba | 42.00 | | | |
| Homew | 1 | | | | | | | | | <u>Сенк. г</u> 0 | 5.(200 | o). Dasi | 0.00 | emauc | | 0.00 | | | |
| Pr 23 ect | Asses | sme | ent | | | | | | | 0 | | | 0.00 | | | 0.00 | | | |
| Field S | tudies | | | | | | | | | 0 | | | 0.00 | | | 0.00 | | | |
| Migtern | n exan | ΩS | | | | | 1 | | 140 | 0.00 | | | 5.00 | | | 5.00 | | | |
| Others | | <u> </u> | | | | | | | | 0 | | | 0.00 | | | 0.00 | | | |
| Final E Home \ | xams | roic | o et | | | | 0 | | 0.0 | 10 | | | 12.00 | | | 12.00 | | | |
| Total W | | | | | | | | | 1010 | JU | | | | | 87.00 | | | | |
| T otal w | vork loa | ad/ | 30 hr | | | | 2 | | 14 | 0.00 | | | | | | 2.90 | | | |
| ECTS (| | | | urse | | | | | 110 | 0.00 | | | | | | 3.00 | | | |
| Succes | ss Grad | de | ····· (| , | | g | | | Τ. | | | | <u> </u> | | | | | | |
| Contrib | oution o | of F | inal E | xam to | o Suc | cess G | rade | | 60 | 0.00 | | | | | | | | | |
| Total | | | | | | | | | 10 | 100.00 | | | | | | | | | |
| Measu | | t an | id Eva | luatio | n Tec | hnique | s Use | d in th | ie | | | | | | | | | | |
| | 1 | S/ | WO | RK L | OAD | TAB | LE | | | | | | | | | | | | |
| 25 | <u> </u> | | | | | | | | | IING LIFIC | | COME | S TO | PROC | GRAM | ME | | | |
| | P | Q1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | l _ | PQ11 | PQ12 | PQ1 | PQ14 | PQ15 | PQ16 | | |
| ÖK1 | 0 | | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
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| ution Level: | Ľ | 701 y | .011 | | | | | | | | -T 111 | ייני | | | o. y 111; | J., | |
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| Contrib | 1 | verv | low | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | |
| | | - | LO: | Lea | ning | Obje | ctive | s | PQ: P | rogr | am Q | ualific | ation | ıs | - | | |
| ÖK9 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ÖK8 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ÖK7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ÖK6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ÖK5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ÖK4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ÖK3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ÖK2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |