| 1975 | a SIT F | | | T Cour | T.C. FIRAT UNIVER | SITY IS Form | | | Document No Publication Da Revision Date Revision No | E 1 - 0 | GTM - 0001 3.09.2021 | | |
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| Code and F | İZ548(|) MOLECU | JLAR MODE | ELING AN | D ALGOR | ITHMS | | | | | | | |
| Name: | raduate School of Natural and Applied Sciences | | | | | | | | | | | | |
| Detail: F | Period: 2 | 2023-2024 | Status: | Optional | Class: 1 | Credits: | 3-0-0-3 | ECTS: 6 | Language: | Turkis | h | | |
| | | NSTRUCTO | R | | | | Co | OURSE ASS | SİSTANT | | | | |
| Title, Name and | l Surname | e: - | | | | `itle, Name an | d Surname | e: | | | | | |
| | Phone | e: - | | | | Phone: | | | | | | | |
| Email: - | | | | | Cool | Emai | l: | | | | | | |
| Student Dav | and Time | l: - | | | | Student Day | v and Time | e: | | | | | |
| Lassons | Mone | lau | Tuesday | Wed | nooday | Thursd | , | Enidor | | Catur | day | | |
| Lessons | Monday | | Tuesaay Wear | | nesaay | Thursday Frida | | y satur | | Jay | | | |
| Proaram: | | | | | - | | | | | | | | |
| Den denin a | Face to | 6 | | The set like of the | 1- | l h* | | | | | | | |
| Rendering: Place: | Face-to- | tace lessons | per week 3 | It will be do | one on an h | ourly basis. | | | | | | | |
| 1 1400 | | | | | 01. | | | | | | | | |
| Purpose: | In the fi levelopir | eld of moleo a technolog | cular physics, | it is aimed t est methods | o catch up | with the era th the releva | and go b Int modeli | eyond the price of | relevant fiel orithms | d by u | sing the | | |
| | | | | | | | | | | | DIG. | | |
| Material: | G. Herzt JY | erg, Diatom | ic Molecules; C | .w. King, Sp | ectroscopy | and Molecula | ar Structu | re, Holt-Rin | ienard and v | vinsto | n INC, | | |
| Chard and | | | | | | | | | | | | | |
| Student Responsibility | Prenari | ng hefore an | d after class | | | | | | | | | | |
| : | repuin | ing beloi e un | u unter clubb | | | | | | | | | | |
| | Wook | Tonic | | | | | | | | | Mathod | | |
| | 1 | Basic Molo | cular Modeling | Conconte I | Paŭ Toorici v | o Bağ Uzunlul | darı | | | | vv | | |
| | 2 | Ways Function and quantum machanical interpretation and analysis | | | | | | | vv | | | | |
| | 2 | Floctronic Structure Calculations MP2 M062y | | | | | | | | | | | |
| | | Electronic Structure Calculations , MP2, M062X | | | | | | | | | | | |
| | 5 | Molecular Ontimization Algorithms | | | | | | | | | | | |
| | 6 | Genetic Algorithms | | | | | | | | vv | | | |
| Weekly Lesson | 7 | Hartree-Fock and Condensed Calculations | | | | | | | | vv | | | |
| Plan | 8 | Condensed Matter and Circulation Calculations | | | | | | | | vv | | | |
| | 9 | Condensed Matter and Circulations | | | | | | | | vv | | | |
| | 10 | MID I EKM EAAM Molecular Recognition and Interactions | | | | | | | | vv | | | |
| | 10 | Integration of Artificial Intelligence and Molecular Modeling | | | | | | | vv | | | | |
| | 11 | Machine Learning and Molecular Design | | | | | | | vv | | | | |
| | 12 | Drug Design and Development | | | | | | | | vv | | | |
| | 14 | Applications of Materials Science and biological systems analysis | | | | | | | | vv | | | |
| | 14 | Annlicatio | | Jerenice una | biological b | , | | | | umbo | Weight | | |
| | 14 | Application | Method | | | stems analys | 15 | | | umpe | % 50 | | |
| | 14 | Application | Method Face | | | | 15 | | | 1 1 | /0.50 | | |
| | 14 | Application Exam Ouiz | Method Face | | | | 15 | | | 1 - | 70.50 | | |
| Assessment and | Break | Application Exam Quiz Homework | Method Face | | | | | | | 1 - | 70.50 | | |
| Assessment and Evaluation | Break Exam | Application Exam Quiz Homework Project | Method Face - - | | | | | | | 1 - - | - | | |
| Assessment and Evaluation | Break Exam | Application Exam Quiz Homework Project | Method Face - - | | | | | | | 1 - - | - | | |
| Assessment and Evaluation | Break Exam | Application Exam Quiz Homework Project Face | Method Face - - | | | | | | | 1 - - | - % 5 | | |
| Assessment and Evaluation | Break Exam General Exam | Application Exam Quiz Homework Project Face | Method Face - - | | | | | | | - 1 1 - | - % 5 0 | | |
| Assessment and Evaluation | Break Exam General Exam | Application Exam Quiz Homework Project Face Molecular | Method Face - - - - modeling and a | lgorithms are | learned. | | | | | - 1 1 | - % 5 0 | | |
| Assessment and Evaluation | Break Exam General Exam 1 2 | Application Exam Quiz Homework Project Face Molecular Learns mo | Method Face - - - modeling and a lecular optimiza | lgorithms are ation. | e learned. | | | | | - 1 1 | - % 5 0 | | |
| Assessment and Evaluation Course | Break Exam General Exam 1 2 3 | Application Exam Quiz Homework Project Face Molecular Learns mo Have know | Method Face - - - - modeling and a lecular optimiza | lgorithms are ation. ial intelligence | e learned. e and deep lo | earning in mol | lecular mo | odeling . | | - 1 1 | - % 5 0 | | |
| Assessment and Evaluation Course Outcomes: | Break Exam General Exam 1 2 3 4 | Application Exam Quiz Homework Project Face Molecular Learns mo Have know | Method Face - - - - - - - - - - - - - - - - - - - | lgorithms are ation. ial intelligenco ug design and | e learned. e and deep le l developme: | earning in mol | lecular mo | deling . | | 1 - - 1 | | | |
| Assessment and Evaluation Course Outcomes: | Break Exam Ceneral Exam 1 2 3 4 5 | Application Exam Quiz Homework Project Face Molecular Learns mo Have know Have know | Method Face - - - - - - - - - - - - - - - - - - - | lgorithms are ation. ial intelligenco ug design and naterials scier | e learned. e and deep lo developme nce and biolo | earning in mol nt methods. gical system a | lecular mo | odeling . | 25. | - 1 1 | | | |
| Assessment and Evaluation Course Outcomes: Course-Specific | Break Exam General Exam 1 2 3 4 5 5 5 5 | Application Exam Quiz Homework Project Face Molecular Learns mo Have know Have know Experience ations: | Method Face - - - - - - - - - - - - - - - - - - - | lgorithms are ation. ial intelligenco ug design and naterials scier | e and deep la l development ce and biolo | earning in mol nt methods. gical system a | lecular mo | deling . | 25. | 1 - - 1 | - % 5 0 | | |

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