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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم يك علوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451010 | 45 | فيزيك عمومي | 2 | 2 | - | پايه |  | | 1451011 | 45 | آزمايشگاه فيزيك عمومي | 1 | - | 1 | " | همزمان با فيزيك عمومي | | 1451016 | 45 | شيمي عمومي | 2 | 2 | - | " |  | | 1451017 | 45 | آزمايشگاه شيمي عمومي | 1 | - | 1 | " | همزمان با شيمي عمومي | | 1451013 | 45 | زيست سلولي و مولكولي | 3 | 2 | 1 | " |  | | 1451014 | 45 | آناتومي نظري | 2 | 2 | - | " |  | | 1451015 | 45 | آناتومي عملي | 1 | - | 1 | " | همزمان با آناتومي نظري | | 1451029 | 45 | كامپيوتر | 2 | 2 | - | عمومي |  | | 123 | 45 | تفسير موضوعي قرآن(خواهران) | 2 | 2 | - | " |  | | 451 | تفسير موضوعي قرآن (برادران) | | 105 | 45 | تربيت بدني 1(خواهران) | 1 | 1 | - | " |  | | 451 | تربيت بدني 1(برادران) | | 133 | 45 | زبان پيش | 2 | 2 | - | " |  | |  |  | مقدمات آزمايشگاه | 1 | 1 |  |  | اختياري | | جمع واحد | | | 19 | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم دوعلوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451018 | 45 | بيوشيمي عمومي | 3 | 3 | - | پايه | شيمي عمومي | | 1451019 | 45 | آزمايشگاه بيوشيمي عمومي | 1 | - | 1 | " | همزمان با شيمي عمومي | | 1451020 | 45 | فيزيولوژي نظري | 2 | 2 | - | " | **زيست شناسي سلولي و ملكولي** | | 1451021 | 45 | آزمايشگاه فيزيولوژي | 1 | - | 1 | " | همزمان با فيزيولوژي | | 1451023 | 45 | بافت شناسي نظري | 1 | 1 | - | " | آناتومي نظري | | 1451024 | 45 | آزمايشگاه بافت شناسي | 1 | - | 1 | " | همزمان با بافت شناسي | | 1451025 | 45 | ميكروبشناسي عمومي | 2 | 2 | - | " | زيست شناسي سلولي و ملكولي | | 1451026 | 45 | آزمايشگاه ميكروبشناسي عمومي | 1 | - | 1 | " | همزمان با ميكروبشناسي عمومي | | 1451022 | 45 | فيزيك حياتي | 2 | 2 | - | " | فيزيك عمومي | | 110 | 45 | تربيت بدني 2 (خواهران) | 1 | - | 1 | عمومي |  | | 451 | تربيت بدني 2 (برادران) | | 121 | 45 | انديشه 1(خواهران) | 2 | 2 | - | عمومي |  | | 451 | انديشه 1(برادران) | | 117 | 45 | زبان عمومي | 3 | 3 | - | " |  | | جمع واحد | | | 20 | | | | | |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم سه علوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451030 | 45 | بيوشيمي پزشكي 1 | 3 | 3 | - | تخصصي | بيوشيمي عمومي | | 1451031 | 45 | آزمايشگاه بيوشيمي پزشكي 1 | 1 | - | 1 | " | همزمان با بيوشيمي پزشكي 1 | | 1451046 | 45 | آمار حياتي | 2 | 2 | - | " |  | | 1451012 | 45 | روانشناسي عمومي | 2 | 2 | - | " |  | | 1451032 | 45 | ايمن شناسي پزشكي | 3 | 3 | - | " | فيزيولوژي نظري | | 1451033 | 45 | آزمايشگاه ايمني شناسي | 2 | - | 2 | " | همزمان با ايمن شناسي پزشكي | | 1451027 | 45 | انگل شناسي 1 (كرمها) | 2 | 2 | - | " | زيست شناسي سلولي و ملكولي | | 1451028 | 45 | آزمايشگاه انگل شناسي 1 | 1 | - | 1 | " | همزمان با انگل شناسي 1 | | 1451066 | 45 | بهداشت عمومي و اپيدميولوژي | 2 | 2 | - | پايه |  | | 122 | 45 | انديشه اسلامي 2(خواهران) | 2 | 2 | - | " |  | | 451 | انديشه اسلامي 2(برادران) | | جمع واحد | | | 20 | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم چهارعلوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451040 | 45 | بيوشيمي پزشكي 2 | 2 | 2 | - | تخصصي | بيوشيمي پزشكي 1 | | 1451041 | 45 | آزمايشگاه بيوشيمي پزشكي 2 | 1 | - | 1 | " | همزمان با بيوشيمي پزشكي 2 | | 1451034 | 45 | ويروس شناسي پزشكي | 2 | 2 | - | " | ميكروبشناسي عمومي | | 1451035 | 45 | آزمايشگاه ويروس شناسي پزشكي | 1 | - | 1 | " | همزمان با ويروس شناسي پزشكي | | 1451061 | 45 | باكتري شناسي پزشكي | 3 | 3 | - | " | ميكروبشناسي عمومي | | 1451062 | 45 | آزمايشگاه باكتري شناسي پزشكي | 1 | - | 1 | " | همزمان با باكتري شناسي پزشكي | | 1451050 | 45 | خون شناسي (1) | 3 | 3 | - | " | فيزيولوژي نظري | | 1451051 | 45 | آزمايشگاه خون شناسي (1) | 2 | - | 2 | " |  | | 115 | 45 | ادبيات فارسي | 3 | 3 | - | عمومي |  | | 124 | 45 | تاريخ اسلام (خواهران) | 2 | 2 | - | " |  | | 451 | تاريخ اسلام (برادران) | | جمع واحد | | | 20 | | | | | |

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم شش علوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451044 | 45 | ايمونوهماتولوژي | 2 | 2 | - | اختصاصي | ايمن شناسي پزشكي | | 1451045 | 45 | آزمايشگاه ايمونوهماتولوژي | 1 | - | 1 | " | همزمان با ايمونوهماتولوژي | | 1451060 | 45 | روشهاي كنترل كيفي در آزمايشگاههاي باليني | 1 | 1 | - | " | خون شناسي 2، بيوشيمي پزشكي 2 | | 1451054 | 45 | قارچ شناسي پزشكي | 2 | 2 | - | " | ميكروبشناسي عمومي | | 1451055 | 45 | آزمايشگاه قارچ شناسي پزشكي | 1 | - | 1 | " | همزمان با قارچ شناسي پزشكي | | 1451059 | 45 | اصول مديريت و قوانين آزمايشگاه | 1 | 1 | - | " | اصول ايمني و حفاظت در آزمايشگاه | | 1451063 | 45 | آشنايي با بيماريهاي داخلي | 2 | 2 | - | " | خون شناسي 2، بيوشيمي پزشكي 1 | | 1451065 | 45 | سمينار | 1 | 1 | - | " | خون شناسي 2، بيوشيمي پزشكي 2 | | 1451056 | 45 | اصول فني و نگهداري تجهيزات آزمايشگاهي | 1 | 1 | - | " | بيوشيمي پزشكي 2، فيزيك حياتي | | 1451047 | 45 | سم شناسي | 1 | 1 | - | " | فارماكولوژي | | 1451048 | 45 | آزمايشگاه سم شناسي | 1 | - | 1 | " | همزمان با سم شناسي | | 128 | 45 | تاريخ فرهنگ و تمدن اسلام و ايران (خواهران) | 2 | 2 | - | عمومي |  | | 451 | تاريخ فرهنگ و تمدن اسلام و ايران (برادران) | | 125 | 45 | انقلاب اسلامي ايران (خواهران) | 2 | 2 | - | " |  | | 451 | انقلاب اسلامي ايران (برادران) | | 150 | 45 | جمعيت وتنظيم خانواده (خواهران) | 2 | 2 | - | " |  | | 451 | جمعيت وتنظيم خانواده (برادران) | | جمع واحد | | | 20 | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم پنج علوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451052 | 45 | هورمون شناسي | 1 | 1 | - | اختصاصي | بيوشيمي پزشكي 2 | | 1451053 | 45 | آزمايشگاه هورمون شناسي | 1 | - | 1 | " | همزمان با هورمون شناسي | | 1451057 | 45 | خون شناسي (2) | 2 | 2 | - | " | خون شناسي (1) | | 1451058 | 45 | آزمايشگاه خون شناسي (2) | 1 | - | 1 | " | همزمان با خون شناسي 2 | | 1451043 | 45 | اصول ايمني و حفاظت در آزمايشگاه | 1 | 1 | - | " | ايمن شناسي پزشكي، ويروس شناسي پزشكي | | 1451036 | 45 | انگل شناسي 2(تك ياخته و حشره) | 2 | 2 | - | " | انگل شناسي 1 | | 1451037 | 45 | آزمايشگاه انگل شناسي 2 | 1 | - | 1 | " | همزمان با انگل شناسي 2 | | 1451042 | 45 | فارماكولوژي | 2 | 2 | - | " | بيوشيمي پزشكي 1، فيزيولوژي نظري | | 1451064 | 45 | ژنتيك پزشكي | 1 | 1 | - | " | زيست شناسي سلولي و ملكولي | | 1451049 | 45 | متون انگليسي و ترمينولوژي پزشكي | 2 | 2 | - | " |  | | 1451038 | 45 | آسيب شناسي عمومي | 2 | 2 | - | " | بافت شناسي نظري | | 1451039 | 45 | آزمايشگاه آسيب شناسي عمومي | 1 | - | 1 | " | همزمان با آسيب شناسي | | 126 | 45 | اخلاق كاربردي(خواهران) | 2 | 2 | - | عمومي |  | | 451 | اخلاق كاربردي(برادران) | | جمع واحد | | | 19 | | | | | |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم هشت علوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451068 | 45 | كارآموزي در عرصه (2) | 8 | - | 8 | اختصاصي | كليه دروس نظري و عملي | | جمع واحد | | | **8** | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | كد درس | كد گروه | ترم هفت علوم آزمايشگاهي | جمع واحد | تئوري | عملي | نوع واحد | پيش نياز | | نام درس | | 1451067 | 45 | كارآموزي در عرصه (1) | 8 | - | 8 | اختصاصي | كليه دروس نظري و عملي | | جمع واحد | | | **8** | | | | | |