| Mathematics 2 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Basic Course Information <br> Course Number <br> 01005010 |  | Subloct Catesory | Camasisery Mo |  |
| Class Format | Leatre | Craedit Troe and Number of | 25 |  |
| Dosartment | Necratones |  | Year 1 |  |
| Reouired Materials |  <br>  |  |  |  |
| Irstructor | Jetraem Karewene | \|ANnoritanta | Parilam Sermeta |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Evaluator(fubred |  | Stancard Lever of Achievement |  |  |
| Evaluaton 1 | Can reowe er we man fewure of | Can recogrize some features of quadratic curves and cuacdric | Can't recoerize any features of quadratic curves and cuadric |  |
| Evaluation 2 | Can perform 20 and 3 D vector ocerations and write the equatione | Can peform baso ovo and 30 | Cant perform anv 20 and 30 , |  |
| Evaluation 3 | comer | 隹 | 为 |  |
| Evaluation 4 |  |  |  |  |
| Evaluation 5 |  |  |  |  |
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| Teachine Mathod |  |  |  |  |
| $\begin{array}{\|l\|} \hline \text { Outline: } \\ \hline \text { Class Format: } \\ \hline \text { Please Note : } \\ \hline \end{array}$ |  |  |  |  |
|  |  |  |  |  |
| Somestere 2 |  |  | Gaals |  |
| ${ }_{\text {Lstweok }}$ |  |  | Can bentry teant | ${ }_{\text {Realatad MOC }}^{1}$ |
|  |  |  |  | $+^{1}{ }^{37}$ |
|  |  |  | secuuerces. Can deworibe the similartities and differences of arithmetic and geometric secuences |  |
| 2 ndweck |  |  |  | 1 |
|  |  |  | Con end |  |
|  | Chaster 1 : Parmutatis end Combinatios |  |  | 1 |
| ${ }^{3} \mathrm{~d}$ W Weok |  |  |  |  |
|  |  |  |  |  |
| 4 thwok |  |  |  |  |
|  |  |  | 1 1sweek- - 3 d Week |  |
| 5thweak | Chanter 2:20 coadimite Ssperse end Crictes |  |  | 1 |
|  |  |  |  |  |
|  | Chanere 2: Canis Sectiose |  |  | 1 |
| ${ }^{\text {6th Wexk }}$ |  |  | Can identify the main features of an ellipse a hyperbola. a parabola and their translations |  |
|  |  |  |  |  |
| 7 7twosk |  |  | Undessend tre 3 dinesional |  |
|  |  |  | 1mand |  |
| 8 at Wax | Chaster 2: Quadio Sertaces |  |  |  |
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| stw weak | Matemm Examinato (20\%\%) |  |  |  |
|  |  |  | ${ }^{5 \text { th Weos- }}$ - ath Weak |  |
| 10 m Weak | Chanter 3: Setsand set Oeeatiors |  |  |  |
|  |  |  |  |  |
| 11.1 Weok | Chapter 3 : Polar Coordinate System |  |  |  |
|  |  |  |  |  |
| ${ }^{122 m W}$ Weak | Chander 3 : Remors of moanalives |  |  | 1 1 ${ }^{33}$ |
|  |  |  | Graph an inecuulity by hand and eramh a system of linear and polar inecualiteies. |  |
|  |  |  |  |  |
| ${ }^{13+1}$ Weok | ${ }^{\text {3rd Cuanere Examinaion } 15 \%}$ |  | 1 1or Weok-12th Weok |  |
|  |  |  |  | + 1 |
| 14.1 week |  |  |  |  |
| 15thwea |  |  |  | + 1 |
|  |  |  | Can use the dot product to determine the proiection of a vector in another direction and determine the angle between two vectors |  |
| 16 trw weak | Chante 4 : Crases Procket and in Procervies |  |  | +1.43 |
|  |  |  | Can use the cross prockuct to determine the anele between two vectors and determine a vector normal to the olane |  |
| 177.1 Weak | Chaster 4 : Eauatiors of Linesard Panes |  |  | 1 |
|  |  |  | Can find vector and parametric equations of a ine and find vector and scalar ecuations of a plane |  |
| 18 thweek | Pevens Sesson |  |  |  |
|  |  |  | 14.4 Week - 1 str Weak |  |
| 19 mm Weak | Final Exanimation 125\% |  |  |  |
|  |  |  | 14.4 Week - 18th Weok |  |
| 20.7 week |  |  |  |  |
|  |  |  | Senmax |  |
|  |  |  |  |  |
|  | Examination Classs Particioation $_{10}^{10}$ |  |  | Donot |
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