<form></form>	Basic Course Information Course Number	01005014	Subject Category	CompulsoryIGI	]
<form><form>Index (b)<br< th=""><th></th><th></th><th>Credit Type and Number of Credits</th><th>1.5</th><th></th></br<></br></form></form>			Credit Type and Number of Credits	1.5	
<form>     Number of the state of th</form>	Department Period of Study	Semester 2	Classes per Week	3	
		"Mathematics A" by M. Koba (primary 1). "Mathematics B" Sekiauchi (primary 2). "Calou Bivens, and S. Davis, and "A KREYS2/G (optional)	yashi, A. Shimizu, Y. Ich by A. Shimizu, Y. Ichka lus: Early Transcendent dvance Engineering Ma	kawa, and M. Sekiguchi wa, M. Kobayashi, and M. als' 10th ed. by H. Anton, I thematics' 10th ed. by E.	
	Course Objective	Panitarn Sammeta	Adisorn Doodee		1
<form>     Bindbart International Internatio Internatio Internatio International International Internationa</form>	2. Perform various calculations of the integral.	isses studentes will be able to. De integral and find the volume, s ie vector calculus including gradie	urface area for 3D obje nt, divergence, rotation		
<form></form>			Standard Level of Achievement (Good) Can explain the definition of double		
Bit We have have back with back to be not both on to both public here       Stream of the monor wake with back to be notweed a from wate to the have a stream wate with back to be notweed a from wate to the however to be notweed as the however to be however to be notweed as the however to be notweed as the howe	Evaluation 2: Vector calculus	Can calculate complicated	Can calculate basic	Can't calculate basic voctor	-
Output     Decet of Latture - Dif - Presentation       Open Format Present Res :     The date strateduid will be dramated load or nucleot control or under the strategie load of the strategie load or nucleot control or under the strategie of the strategie load or nucleot control or under the strategie load of the strategie load or nucleot control or under the strategie load of the strategie load or nucleot control or under the strategie load of the strategie load or nucleot control or under the strategie load of the strategie load or nucleot control or under the strategie load of the strategie load or nucleot control or under the strategie load of the strategie load or under the strategie load or under the strategie load of the strategie load or under the strategie load of the strategie load of the strategie load of the strategie load or under the strategie load of the strategie load of the strategie load of the strategie load of the strategie load of the strategie load of	society. G(4) Creativity to make a new val Plesse change	and Engineering and practical a	ibility to apply them to	o solve problems in the	
1st Week Double Integrale over Retrangte Region Budget and set out and any mathematication of the set of the se	Outline: Class Format: Please Note :				]
1st Week Double Integrale over Retrangte Region Budget and set out and any mathematication of the set of the se	Course Plan	Overheite und Met		0 state	Delawed MOO
2rvi Week Double Integrale over Norvestrage Region Market and a burner and a bu					1 1 7
3rt Wask Double Integrals In Polar Coortinates Durbert market in stream of the stream	2nd Week	Double Integrals over No	nrectangle Regions		I 1 7
401 Week Charge of Vanishie in Double Integrals: Laboration Improve the solution of an and the	3rd Week	Double Integrals in P	olar Coordinates	Students are able to recognize the format of a double integral over a poler rectangular region and evaluate a double integral in polar coordinates by using an iterated integral.	I 1 7
Bit Neek     Acakations of Double Integrals     Budets are able to take the market in the second sec	4th Week	Change of Variables: in Dou	uble Integrals: Jacobian	Students are able to compute the Jacobian of a given transformation and evaluate a double integral using a change of variables.	
The Week Increase Double Internals The Week of the main and the bar of the bar of the main and the bar of the main and the bar of t	5th Week	Holida	y.		
Bit: Week Revery Session Week 1-7   Bit: Week Mitterm Exemutation Week 1-7   10h: Week Mitterm Exemutation Week 1-7   10h: Week Mitterm Exemutation Week 1-7   11h: Week Introduction to Vector-valued Functions and Cabolac of Vector-valued Functions Students are able to functions and interface of vector valued functions   12h: Week Introduction to Scalar and Vector Pailstic Students are able to functions and interface of vector valued functions   12h: Week Vector Operations: Gradent: Divergence, and Cut week Students are able to functions and interface of vector valued functions   13h: Week Vector Operations: Gradent: Divergence, and Cut week function are able to functions are	6th Week	Applications of Do	uble Integrals	Students are able to to calculate the area of a region, the volume under a surface, and the average value of a function of two variables over a rectangular region	I 1 7
9th Week Midterm Evenhanton Week 1-7   10th Week Midterm Evenhanton Week 1-7   10th Week Midterm Evenhanton Week 1-7   11th Week Introduction to Victor-valued Function and Cabulus of Victor-valued function Students are able to most of the sector and cabulus of Victor valued function   12th Week Introduction to Scalar and Victor Fields Students are able to function and thin to function and an analytic of a color weat of the sector and the sector and thin to function and the sector and the sector weat of the sector and the sector and the sector weat of the sector weat field and a color weat field and color weat field and color weat field and a color weat f	7th Week	Improper Doub	le Integrals	Students are able to identify when an improper double integral is finits, evaluate certain improper double integrals using limits of definite integrals.	
10h Week Midterm Evenhanton Week 1-7   11h Hendelston to Vector-valued Function and Calculus of Vector-valued Function and Calculus of Vector-valued Function (acculus of Vector-valued function) Students are able to memory and the press of vector-valued function of vector-valued function   12h Hendelston to Stalar and Vector Pakita Students are able to memory and the press of vector-valued function   12h Hendelston to Stalar and Vector Pakita Students are able to fred stalar and the press of vector-valued function   13h Week Vector Operators: Gradent. Divergenos and C. Students are able to fred able to resp of vector value of vector valued to colculate a cealler to the able to resp of vector value of vector able to resp of vector vector vector vector able to resp of vector vector vector able to resp of vector able to	8th Week	Review Se	ssion	Week 1-7	
11th Week     Introduction to Vector-valued Function and Calculus of Vector-valued Function Calculus of Vector-valued Function     Students are able to monoprice vector-valued and Function       12hr Week     Introduction to Scalar and Vector Fields     Students are able to results are able to result	9th Week	Midterm Exa	nination	Week 1-7	
11th Week     Introduction to Vector-valued Function and Exciton with end in the density and the state in the st	10th Week	Midterm Exa	nination		
12h Week Hetoductor to Soaler and Vector Fields Weakborg of mitrickalabarg   13h Week Vector Operators: Gradent, Diverginosa and Cut Budents are able to Field   13h Week Vector Operators: Gradent, Diverginosa and Cut Budents are able to Field   14h: Week Line Integrals Students are able to field   14h: Week Line Integrals Students are able to field   15h: Week Line Integrals Students are able to field   15h: Week Line Integrals Students are able to field   10h: Week Surface Integrals Students are able to field   10h: Week Surface Integrals Students are able to field   10h: Week Surface Integrals Students are able to field   10h: Week Surface Integrals Students are able to field   10h: Week Surface Integrals Students are able to field   17h: Week Acceleators of Surface Integrals Students are able to field   19h: Week Review Session Integrals   19h: Week Field Deministrand Integrals   20h: Week Perus Annowr-Sheets Integrals   20h: Week Perus Annowr-Sheets Integrals	11th Week	Introduction to Vector-ve Calculus of Vector-v	Introduction to Vector-valued Functions and Calculus of Vector-valued function		
13th Week Vector Corrators: Gradent, Diverginos, and Quil Media Management of a low background in the state of a low background in the state of a low background in the state of the st	12th Week	Introduction to Scalar	Introduction to Scalar and Vector Fields		
15th Week Line Integrals Independence of Path Students ere able to is a benefinger to be in benefinger to be independent of carls   10th Week Surface Integral Students are able to find understand to be not independent of carls   10th Week Surface Integral Students are able to find understand to be not independent of carls   17th Week Accleators of Surface Integral Flux Students are able to find understand to each of understand to each	13th Week	Vector Operators: Gradient	Vector Operators: Gradient, Divergence, and Curl		
16h Week Surface Integral Studarts on adls to find a series and to find a series and to find a series in the manner.   17h Week Acclostons of Surface Integral Flux Studarts on adls to find a series and the manner.   17h Week Acclostons of Surface Integral Flux Studarts understand series and the manner.   18h Week Review Sesson Studarts and the ward elities and series and the manner.   19h Week Paule Desmination Studarts and the ward elities and series and the series and fractack   20h Week Partum Arnover-Sheets Prove Series and Fractack	14th Week	Line Inter	Line Integrals		
17th Week Acclostons of Surface Integral: Flux Students understand with integral: to vacior faids with integral:	15th Week	Line Integralsi Indepe	Line Integrals: Independence of Path		
18th Week Review Session	16th Week	Surface In	Surface Integral		
19th Weak Final Examination	17th Week	Applications of Surfa	Applications of Surface Integral Flux		
20th Week Return Answer-Sheets Peolesk Review Semester and Feachack Do	18th Week	Review Se	ssion		
Do	19th Week	Final Examin	ination		
		Beturn Anaw	r-Sheets		
Framination Face Participation Detil Submission	20th Week	Review Semester a	ind Heedback		