授業形態講義単位の種別と単位数開設学科機械情報システム工学専攻対象学年開設期前期週時間数	
接続   関連の種別と単位数   開設学科   機械情報システム工学専攻   対象学年   開設期   前期   週時間数   数科書/教材   「数値解析入門」(山本哲朗、サイエンス社)、「数値計算の常識」(伊担当教員   市川 裕子   到達目標   Understand how to deal with mathematical problems using numerical methods from analy Understand algorithms and procedures correctly and implement them on computers.   ルーブリック   理想的な到達レベルの目安   標準的な到達レベルの目   Understand each algorithmn and the mathmatical theory which is the base of it   Impliment each algorithmn as a program and make sure the   Impliment each algorithmn are approgram and make sure the   Impliment each algorithmn are approgram and make sure the   Impliment each algorithmn are approgram and make sure the   Impliment each algorithmn are approgram and make sure the   Impliment each algorithmn are approgram and make sure the   Impliment each algorithmn are approgram and make sure the   Impliment each algorithmn are approgram and make sure the   Impliment each algorithmn are appropriate the approach   Impliment each algorithmn are approach   Impliment each algorithmn   Impliment e	履修単位: 2 専1 4 P理正夫・藤野和建、共立出版) ytical viewpoint.
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JABEE (c) 学習・教育目標 C1	
教育方法等	
概要  This course is designed to give an overview of the design, analysis fundamental numerical method which are used to solve practical engineering problems.	and implementation of the several
授業の進め方・方法 Applied Mathematics consists of 10 lectures, that emphasis the mat methods, and to analyse their properties. and 5 experiments with in	thematics used to design numerical mplementing algorithms in Computer Lab
注意点 Prerequisite: Calculus Multivariable Calculus, Linear Algebra, Ordina	ry Differential Equation, Programming
授業計画	
	D到達目標
1週 Guidance and Introduction Unders Unders	tourd what compare the constitution is a constitution
Linear Equations System and Matrices Caussian	tand why errors are occurred in compute
Elimination Officers	tand the algorithm
Method 1	tand the algorithm
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7週 Non-linear Equations - Bisection Method, Secant Unders	tand the algorithm
前期 Non-linear Equations- Quadrature Mensuration by Undersi	tand the algorithm
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10週 Numerical Integration -Trapezium Rule & Unders	tand the algorithm
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12週 Exercise in Computer Lab. Implime	ent the algorithmn
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Ordinary Differential Equation Bungo Kutta	tand the algorithm
15週 Exercise in Computer Lab. Implime	ent the algorithmn
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分類   分野   学習内容   学習内容の到達目標	到達レベル 授業週
評価割合	,, 1 1
	フォリオ その他 合計
	50   100
総合評価割合     50     0     0     0	
基礎的能力 50 0 0 0 0	50 100
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