(05)[0602] error ~ rate numerical methods (free points)

(05)[0604] RK (bc already got the code)

(15)[0605] RK pairs; RK4/5 = 5+10

(15)[0606] implicit = 5+10

(30)[0607] multistep: explicit, implicit = 5+10+5+10 (extra credit)

=040+030 extra credit ~ no change

(20)[0702] FDM: linear, nonlinear = 5+10+5 || 5+5+20

(30)[0703] collocation,FEM = 5+20+5 || 5+5+20

=050 ~ no change

(30)[0801] PDEs, parabolic: FDM,BDM,CN = 5+5+20

(25)[0802] PDEs, hyperbolic: wave + CFL = 5+20

(15)[0803] PDEs, elliptic: FDM = 5+10

(30)[0804] PDEs, nonlinear: implicit, 2 space =5+10+5+10 (extra credit)

=070

(20)[SL01] uniform RNG = 5+5+5+5

(20)[SL02] hyperplanes = 10+10

(20)[SL03] perceptrons = 10+10, code optional

(40)[SL04] neural nets = 5+10+5+20

=100

090 = 4x5 + 4x5 + 4x5 + 6x5 simple

030 = 0x10 + 0x10 + 0x10 + 3x10 medium

060 = 2x10 + 1x10 + 1x10 + 2x10 code, simple

080 = 0x20 + 2x20 + 1x20 + 1x20 code, more involved

260 pts

160:100 non:special

120:140 non:code

no long derivations, no long proofs ~ m685 proof-lite

extra credit

60-100 in-line

50+ comprehensive

next semester: assign extra hand-calc but grade one, minimal extra credit rest. expires with due date.