University of Saskatchewan
Department of Computer Science

Numerical Software
(CMPT 898 (02))
Instructor: Dr. Raymond J. Spiteri

MILESTONE 01
Closes: 2:30 p.m., Tuesday, January 22, 2013

1. [**50 marks**] Go to

   http://software-carpentry.org/4_0/index.html

   Watch the set of videos associated with your assigned topic (see below).

Student	Video Series
Frost	Python
Haghgoo	The Shell
Mirshekari	MATLAB
Preuss	Matrix Programming
Qian	Software Engineering

   Prepare a brief presentation (5–10 mins.) on your assigned topic. The presentations should provide a summary of the three most important points made in the videos. Emphasis is to be placed on identifying what your learned or found particularly interesting or useful. The presentations will take place Thursday, January 17, 2013 during class, with the order of the presenters to be determined. Slides are to be e-mailed in PDF format to the instructor by noon of the presentation day.

   Everyone is encouraged to watch all the assigned videos so they can ask questions or add insight to the presentations.

2. [**50 marks**] Prepare a 5–10 minute presentation that describes your project. In order to clearly demonstrate how the project fits the parameters of the course, in your presentation you should clearly describe

   (a) the problem specification,

   (b) potential algorithms for solution of the problem,

   (c) a plan for implementation, including potential programming languages,

   (d) a plan for verification (and validation, if applicable).

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