

**Mathematics 4101**  
**Winter, 2011/12**

<b>Instructor:</b>	James Preen (email: james_preen@cbu.ca)
<b>Office:</b>	A-129A (ground floor, A-wing, at the bottom of the ramp)
<b>Office Hours:</b>	Tuesdays and Thursdays 1pm - 4pm, or by appointment
<b>Class meetings:</b>	Monday and Wednesday at 1pm (room CE306)
<b>Textbook (optional):</b>	Online versions of Bondy & Murty, and Diestel are available. Skeleton notes are distributed to the class.
<b>Grading:</b>	Assignments/Tests            100% (equally weighted)

Following completion of each chapter an assignment or test will be given concerning the material covered and extensions thereof. Past exams, questions and handouts are available on the web at <http://faculty.capebretonu.ca/jpreen/math4101.html> and extra questions may be assigned or requested at any point in the course. Students are encouraged to ask for clarification on the material both during and after classes. Academic regulations concerning penalties for plagiarizing and cheating (as outlined in the academic calendar) will be enforced in this course.

**Major Topics:**

Isomorphism and Reconstruction

Bipartite graphs, Trees and Distance

Planarity, Colouring and Topology

Hamiltonicity and Independence