



## Course Outline

Course: MATH 504 (School Year 2014 – 2015)

Class resources: Math-help-services.com

Course description: Cultural, Social and Technical Stream

### Evaluation

Term 1 (20% of School Course Grade)		
Competencies Targeted	Evaluation Methods	Timeline
Competency 1: Solves a situational problem (30% of term grade)  Competency 2: Uses mathematical reasoning (70% of term grade)	May include, but not limited to: <ul style="list-style-type: none"><li>• Tests</li><li>• Projects</li><li>• Quizzes</li><li>• Pop quizzes</li><li>• Situational Problems</li></ul>	To finish by Nov. 7
<i>Communication to Students and Parents</i>	<i>Materials Required</i>	
<ul style="list-style-type: none"><li>• Progress report in October</li><li>• Report card in November</li><li>• Written and verbal communication on an as needed basis</li></ul>	<ul style="list-style-type: none"><li>• Graph paper and copybook</li><li>• Ruler, pencils, and eraser</li><li>• Scientific calculator</li><li>*Cell phones cannot be used as calculators</li><li>• Internet access for math-help-services.com</li><li>• Memory aid.</li></ul>	

Term 2 (20% of School Course Grade)		
Competencies Targeted	Evaluation Methods	Timeline
Competency 1: Solves a situational problem (30% of term grade)  Competency 2: Uses mathematical reasoning (70% of term grade)	May include, but not limited to: <ul style="list-style-type: none"><li>• Tests</li><li>• Quizzes</li><li>• Pop Quizzes</li><li>• Situational Problems</li><li>• Midyear Exam (EMSB)</li></ul>	To finish by Jan. 30
<i>Communication to Students and Parents</i>	<i>Materials Required</i>	
<ul style="list-style-type: none"><li>• Report card in February</li><li>• Written and verbal communication on an as needed basis</li></ul>	<ul style="list-style-type: none"><li>• Graph paper and copybook</li><li>• Ruler, pencils, and eraser</li><li>• Scientific calculator</li><li>*Cell phones cannot be used as calculators</li><li>• Internet access for math-help-services.com</li><li>• Memory aid</li></ul>	

Term 3 (60% of School Course Grade)		
Competencies Targeted	Evaluation Methods	Timeline
Competency 1: Solves a situational problem (30% of term grade)  Competency 2: Uses mathematical reasoning (70% of term grade)	May include, but not limited to: <ul style="list-style-type: none"> <li>• Tests</li> <li>• Projects</li> <li>• Quizzes</li> <li>• Pop quizzes</li> <li>• Situational Problems</li> <li>• June Exam (EMSB)</li> </ul>	To finish by Jun. 5
Communication to Students and Parents	Materials Required	
<ul style="list-style-type: none"> <li>• Report card in June</li> <li>• Written and verbal communication on an as needed basis.</li> </ul>	<ul style="list-style-type: none"> <li>• Graph and lined paper</li> <li>• Ruler, pencils, and eraser</li> <li>• Scientific calculator</li> <li>*Cell phones cannot be used as calculators</li> <li>• Internet access for math-help-services.com</li> <li>• Memory Aid</li> </ul>	

Additional Information / Specifications
<p>Topic 1: System of Equations, Inequalities &amp; Optimization</p> <p>Topic 2: Geometric Transformations and Equivalent Figures</p> <p>Topic 3: Graph Theory</p> <p>Topic 4: Probability &amp; Voting Procedures</p> <p>NOTE: Students who pass MATH 504 but have not received credits for MATH 404 will receive retroactive credits. Students who have not passed MATH 404 and do not pass MATH 504 will NOT GRADUATE.</p> <p>Competency 1: Situational Problems (100%)</p> <p>Competency 2: Tests (60%); Quizzes (30%); Pop quizzes and/or projects (10%)</p> <p><input type="checkbox"/> This course does not have a final exam. The final course grade comes entirely from the school course grade.</p> <p><input checked="" type="checkbox"/> This course has a final exam administered by the English Montreal School Board. The final course grade is determined by taking 80% of the school course grade and 20% of the school board exam.</p> <p><input type="checkbox"/> This course has a final exam administered by the <i>Ministère d'éducation, de loisirs et de sports (MELS)</i>. The final course grade is determined by taking 50% of the school course grade and 50% of the MELS exam. Please note that the final course grade is subject to MELS moderation.</p>