

**Tucson Unified School District  
COURSE PROPOSAL FORM**

Course Title: IB Mathematics: Analysis and Approaches SL 7,8	
Initiator: Kathryn Jensen	School/Department: Cholla/IB

**NATURE OF REQUEST**

New Course Type - select one:	<input type="checkbox"/> Standard credit	<input type="checkbox"/> ELD	<input type="checkbox"/> Honors
	<input checked="" type="checkbox"/> Advanced Placement or IB	<input type="checkbox"/> Exceptional Ed	<input type="checkbox"/> Intervention
	<input type="checkbox"/> CTE	<input type="checkbox"/> GATE	<input type="checkbox"/> Magnet

Change in Course - select one:	<input type="checkbox"/> Change in course description	<input type="checkbox"/> Change in title (will require a new code)
	<input type="checkbox"/> Change in prerequisites	<input type="checkbox"/> Change in credit distribution (will require a new code)
	<input type="checkbox"/> Change in course length	<input type="checkbox"/> Change in grade level
	<input checked="" type="checkbox"/> Replacing prior course(s)	

**COURSE DESCRIPTION**

Distribution Category - select one:

<input type="checkbox"/> Arts	<input type="checkbox"/> Math (Algebra II)	<input type="checkbox"/> Social Studies (American Government)
<input type="checkbox"/> Career and Technical Education	<input type="checkbox"/> Math (Geometry)	<input type="checkbox"/> Social Studies (Economics)
<input type="checkbox"/> English/Language Arts	<input checked="" type="checkbox"/> Math (4 <sup>th</sup> Credit or higher)	<input type="checkbox"/> Social Studies (World History/Geography)
<input type="checkbox"/> Electives	<input type="checkbox"/> Physical Education	<input type="checkbox"/> World Languages
<input type="checkbox"/> Health	<input type="checkbox"/> Science	
<input type="checkbox"/> Language Arts - middle school	<input type="checkbox"/> Science (Lab Science)	<input type="checkbox"/> Other – Please explain:
<input type="checkbox"/> Math – middle school	<input type="checkbox"/> Social Studies – middle school	
<input type="checkbox"/> Math (Algebra I)	<input type="checkbox"/> Social Studies (American & AZ History/Constitution)	

Intended grade levels:	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input checked="" type="checkbox"/> 12
Credits: 1.0	Course length:	<input type="checkbox"/> Semester	<input checked="" type="checkbox"/> Year				

**REQUIRED DOCUMENTS**

- COURSE DESCRIPTION** *New/updated course description to be included in the school catalog and/or handbook.*

This course is year two of the two-year Mathematics Analysis course. This course is designed for students who already possess three years of math background at the high school level (Algebra I, Geometry, Algebra II). Students will study number and algebra; functions; geometry and trigonometry; statistics and probability and calculus. Students must complete an IB internal assessment which involves a mathematical investigation, modeling task and written report. Students must also prepare for and take the IB May exams: Paper One and Paper Two. \*The difference between Analysis and Application courses are the level of depth covered within each unit.

- COURSE SYLLABUS** –essential questions, objectives, desired outcomes, assessments, timeline - time spent on each section. <http://tUSD1.org/tusd/forms/documents/CUR1001CourseSyllabus.pdf>
- JUSTIFICATION FOR NEW COURSE:** *provide standards alignment information.*

IB conducts a review of all curriculum every 7 years. The new proposed math continuum is based upon a comprehensive review of current standards along with the needs of a college bound student. Attached is the curriculum review provided by IB. It articulates the extensive process and review conducted in order to provide a rigorous and relevant math course.

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4. DISTRICT ADOPTIONS *Identify district approved textbooks, software adoptions.*

Not applicable.

5. SAMPLE UNIT

see attached.

**SIGNATURES:**

Teacher:	<i>[Signature]</i>	Date:	9/11/18
Principal:	<i>[Signature]</i>	Date:	9-11-18
Sr. Director Curriculum Dev:	<i>[Signature]</i>	Date:	9/12/18
Asst. Superintendent Curriculum & Instruction:	<i>[Signature]</i>	Date:	10-30-18
Governing Board Approved	<input type="checkbox"/> YES / <input type="checkbox"/> NO		Date of GBA approval:

**\*\*\*\* Office Use Only \*\*\*\***

Old Course #(s) if applicable	New Course #(s)	Course Title:	STATE Course Subject Area
			AZ

	Initial	Date
Course Information		
Course Catalog Manager (1, 2)		