

MATHEMATICS B.A. - Pure Mathematics**2020/21 (BF 7/2/20)**

Name: _____

Date: _____

(Quarter offered: F=Fall, W=Winter, S=Spring, *= Not offered this year)

ID#: _____

NOTE: Courses appearing in more than one category can fulfill only one requirement.

INTRODUCTORY REQUIREMENTS (6 total)**Calculus:** MATH 19A (FWS) ___ + 19B (FWS) ___ OR MATH 20A + 20B**Linear Algebra:** MATH 21 (FWS) ___**Vector Calculus:** MATH 23A (FWS) ___ + MATH 23B (FWS) ___**Intro to Proof & Problem Solving:** MATH 100 ___**ADVANCED REQUIREMENTS (8 total)****Math:** MATH 24: Ordinary Differential Equations (FW) ___**Analysis: ONE of the following.**

MATH 103A Complex Analysis (WS) ___

MATH 105A Real Analysis (FW) ___

Algebra: ONE from the following.

MATH 110 FW ___

MATH 111A Algebra (FW) ___

MATH 111T Algebra (S) ___

MATH 117A Advanced Linear Algebra (FS) ___

Geometry: ONE of the following.

MATH 121A Differential Geometry (S) ___

MATH 124 Introduction to Topology (F) ___

MATH 128A Classical Geometry: Euclidian & Non-Euclidian (S) ___

MATH 129 Algebraic Geometry (W) ___

Electives: THREE of the following.

Any MATH course numbered above 100 (excluding MATH 188 or 189)

One total of your electives may come from the AM or STAT Departments (numbered 100 or above)

Comprehensive Requirement: MATH 194 Senior Seminar OR MATH 195 Senior Thesis**Disciplinary Communication Requirement (DC): Students satisfy this requirement by completing courses MATH 100 and either MATH 194 or MATH 195. The DC course requirement must be taken at UCSC.**