■ SUMMARY

● Introduction

All students at Ventura College are provided the opportunity to receive no-cost tutoring in a wide variety of subject areas. To access tutoring services, a student must be enrolled at VC during the term in which tutoring is requested and he/she must also enroll in IDS N100, a non-credit, no-fee lab class.

The objective of this study is to calculate the success rates of students who have received tutoring in **credit basic-skills** courses and to compare them to the success rates of non-tutored students in the same sections. Additionally, this report presents (a) summary data related to **all** Subject Areas (Disciplines) in which tutoring services were provided and (b) success rate comparisons in those non-basic skills courses which experienced a high demand for tutoring services.

The study period consists of the **fall 2012** term. Data for the study were extracted from SARS-GRID (tutoring sessions) on February 15, 2013 and the VCCCD Banner System (final grades) on January 14, 2013.

● Overview

Summary data for fall 2012 are presented in the table below.

Tutoring Category	Fall 2012
A. Number of Disciplines in which Tutoring was Provided	32
B. Unduplicated Number of Tutored Students	864
C. Unduplicated Number of Basic-Skills Students	408
D. Number of Student-Tutoring Sessions	6,497
E. Number of Student-Discipline Sessions	6,555

Explanations of Tutoring Categories:

SARS-GRID creates multiple records for each tutoring session. For example, a student who received tutoring on November 1, 2010 at 10:30 am in ENGL V03 would have one record for that date with a "Reason Code" of ENGL V03 (or ENGL) and possibly another record with a "Reason Code" of AADROP IN.

(A) "Number of Disciplines in which Tutoring was Provided" is a count of the Disciplines (Subject Codes) in which tutoring services were rendered.

(B) "Unduplicated Number of Students" is the count of individual students who received tutoring services (many students received tutoring in more than one discipline).

(C) "Number of Individual Basic-Skills Students" is a count of students who were coded **AABSKSKL** one/more times; even if there were **no** associated records with "Reason Codes" identifying specific basic skills courses.

(D) "Number of Student-Tutoring Sessions" is a count of individual "History ID" numbers. A "History ID" number is created for every student-tutoring session. The "History ID" number may have more than one "Reason Code" associated with it, e.g., one "History ID" number had five "Reason Codes" associated with it: AA/RW, ENGL, ENGL V03 71473, ENGL V03 7296, and ENGL V08A 70820.

(E) "Number of Student-Discipline Sessions" counts all "Reason Codes" that are either a discipline (e.g., ENGL) or a Course ID (e.g., ENGL V03).

● Success Rates in Basic Skills Courses

In **fall 2012**, the overall success rate for students who received tutoring in **basic skills** courses was *higher* than the corresponding rate for non-tutored students in the same sections. (Basic skills courses in which tutoring was provided: ENGL V02, ENGL V03, ENGL V08A, MATH V01, MATH V11A, MATH V10.)

Basic Skills Tutoring Category	Success Rates Fall 2012		Success Rate Formula
Tutored Students	65.9%		(Number of A, B, C or P grades *divided by*
Non-Tutored Student	62.3%		(Number of A through W grades) *times* 100
Difference in Rates	+3.6 pp		Note: pp = percentage points

● Demographics of Tutored Students

In the table below, students who received tutoring in **fall 2012** are categorized by ethnicity and gender. Ethnicity and gender information are obtained from final grades records in the VCCCD Banner System. Demographic data are **not** presented for students whose tutoring records could **not** be matched to a final grade record in Banner. Students are counted for each discipline in which they received tutoring (i.e., for each tutoring/discipline record that was matched to a Banner final grades record).

| Demographic | Fall 2012 | |
Characteristic	Number	Percent
Ethnicity		
Asian / Pacific Islander	45	5.6%
Black or African American	32	4.0%
Hispanic	477	58.9%
Native American	10	1.2%
Two or More Ethnicities	19	2.3%
White	221	27.3%
Unreported or Not Available	6	0.7%
Totals	**810**	**100.0%**
Gender		
Female	476	58.7%
Male	332	41.0%
Unreported or Not Available	2	0.3%
Totals	**810**	**100.0%**

▪ *Ethnicity:* **Hispanic** students account for the greatest percentage of tutored students: **59%**

▪ *Gender:* The majority of students are **female**: **59%**

■ FINAL GRADES

To obtain a final grade for a course in which a student was tutored, the **Student ID** (900 number) and the **Course ID** are required. The SARS "Reason Code" is the data element in which the Course ID can be entered. In many cases, however, only the Subject Area (e.g., ENGL) was entered and therefore a definitive match could not be attempted. Most of the Tutoring Records which were not matched to grade records are probably related to courses that students dropped during the first four weeks of the term.

Category	Fall 2012
A. Total Individual Students who Received Tutoring	864
B. Number of Students with <u>only</u> an AA* "Reason Code"	2
C. Number of Students by Subject Area (Discipline)	1,037
D. Number of Tutoring Records matched to a Banner <u>Final Grade</u> Record	810
E. Percentage of Tutoring Records with a <u>Final Grade</u> [(D ÷ C) x 100]	78%

■ DATA TABLES

■ SUCCESS RATES BY SUBJECT AREA

This table indicates the Subject Areas (Disciplines) in which students received tutoring. "Students with Grades" indicates the numbers of students for whom it was possible to match their Student IDs to final grades records in Banner. Highlighted disciplines are those in which <u>more</u> than <u>30</u> students received tutoring services.

Subject Area (Discipline)	Number of Student-Tutoring Sessions	Number of Students	Students with Grades		
			Number of Students	Successful (A, B, C, or P)	Success Rate
ANAT	4	3	1	1	100.0%
ANPH	4	2			
ANTH	7	5			
ART	1	1			
BIOL	29	10	7	3	42.9%
BUS	163	33	32	25	78.1%
CD	13	6	4	1	25.0%
CHEM	236	55	44	33	75.0%
CJ	7	3			
COMM	6	5	3	2	66.7%
CS	1	1	1	1	100.0%
ECON	5	3	1	0	0.0%
ENG	3	3			
ENGL	778	236	175	137	78.3%
ESL	15	4			
GEOG	4	3	2	1	50.0%
HED	28	3	3	3	100.0%
HIST	29	11	8	6	75.0%
MATH	4,955	568	467	280	60.0%
MICR	1	1	1	1	100.0%
MUS	18	6	2	2	100.0%
NS	2	2	2	2	100.0%
PHSO	1	1	1	1	100.0%
PHYS	10	7	4	3	75.0%
POLS	6	5	5	5	100.0%
PSY	80	17	16	14	87.5%
SL	61	17	12	11	91.7%
SOC	10	4	2	2	100.0%
SPAN	74	18	17	14	82.4%
SPCH	1	1			
THA	1	1			
WS	2	2			
Totals / Av. %	**6,555**	**1,037**	**810**	**548**	**67.7%**

■ FALL 2012 – SUCCESS RATES BY COURSE

This table displays **fall 2012** success rates for tutored and non-tutored students by *selected* courses in the **BIOL**, **BUS**, **CHEM**, **ENGL**, **MATH**, **PSY**, **SL**, and **SPAN** disciplines. In all of the selected courses, at least **six** (**6**) students received services through the Tutoring Center. The exception to this criterion is **ENGL V08A** (a basic skills course), in which only one (1) student received tutoring.

Comparisons are between tutored and non-tutored students who were enrolled in the same course CRNs. For example, in fall 2012, <u>seven</u> sections of BIOL V01 were offered. The <u>seven</u> students who received tutoring in BIOL V01 were enrolled in one of *four* sections of BIOL V01. Only students who were enrolled in those four sections of BIOL V01 are represented in the table below.

Fall 2012	Total	Non-Tutored Students			Tutored Students		
	Enroll-		Success			Success	
Course ID	ments	Count	Number	Rate	Count	Number	Rate
BIOL V01	320	313	222	70.9%	7	3	42.9%
BUS V01A	96	86	71	82.6%	10	7	70.0%
BUS V01B	34	28	24	85.7%	6	6	100.0%
BUS V03	125	112	72	64.3%	13	10	76.9%
CHEM V01A	216	200	120	60.0%	16	13	81.3%
CHEM V20	206	192	125	65.1%	14	10	71.4%
CHEM V30	152	141	110	78.0%	11	8	72.7%
ENGL V01A	646	565	410	72.6%	81	68	84.0%
ENGL V01B	358	332	273	82.2%	26	21	80.8%
ENGL V02 *	494	453	316	69.8%	41	29	70.7%
ENGL V03 *	391	367	274	74.7%	24	17	70.8%
ENGL V08A *	22	21	18	85.7%	1	1	100.0%
MATH V01 *	735	670	340	50.7%	65	39	60.0%
MATH V02	41	34	18	52.9%	7	4	57.1%
MATH V03	1,024	879	427	48.6%	145	83	57.2%
MATH V04	363	310	184	59.4%	53	31	58.5%
MATH V05	196	170	87	51.2%	26	16	61.5%
MATH V10 *	384	345	214	62.0%	39	23	59.0%
MATH V11A *	33	21	7	33.3%	12	11	91.7%
MATH V20	114	93	56	60.2%	21	13	61.9%
MATH V21A	200	178	88	49.4%	22	7	31.8%
MATH V21B	100	84	47	56.0%	16	12	75.0%
MATH V35	63	48	36	75.0%	15	11	73.3%
MATH V38	34	27	23	85.2%	7	7	100.0%
MATH V40	52	47	32	68.1%	5	2	40.0%
MATH V44	536	505	328	65.0%	31	20	64.5%
PSY V03	98	90	74	82.2%	8	8	100.0%
SL V10A	108	98	69	70.4%	10	9	90.0%
SPAN V01	267	256	189	73.8%	11	10	90.9%

* Basic skills courses