



Factors Affecting Dropout Rates in Selected Courses with Diverse Methods of Delivery

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TAIR CONFERENCE, MARCH 2015

Methods of Delivery

- ▶ 1 = face to face (F2F) instruction
- ▶ 2 = fully distance education course (no more than 15% face-to-face)
- ▶ 3 = video
- ▶ 4 = 2-way interactive video
- ▶ 5 = multiple or other electronic media
- ▶ 6 = hybrid/blended course (at least 51% is DL)

Course Selection Criteria

- High enrollments statewide
- Representative of the general education components
- Common at both 2-year and 4-year institutions
- All delivery modes represented
- Gatekeeper courses

Courses

Core Courses

I. Communication

- ▶ English 1301 & 1302
- ▶ Spanish I & II

II. Mathematics

- ▶ College Algebra
- ▶ Calculus I

III. Sciences

- ▶ Biology 1408 & 1409
- ▶ Chemistry 1411 & 1412

IV. Social Sciences

- ▶ Government 2301 & 2302
- ▶ History 1301 & 1302
- ▶ Psychology 2301
- ▶ Sociology 1301

V. Computer Science

- ▶ Computer Science 1301/1401

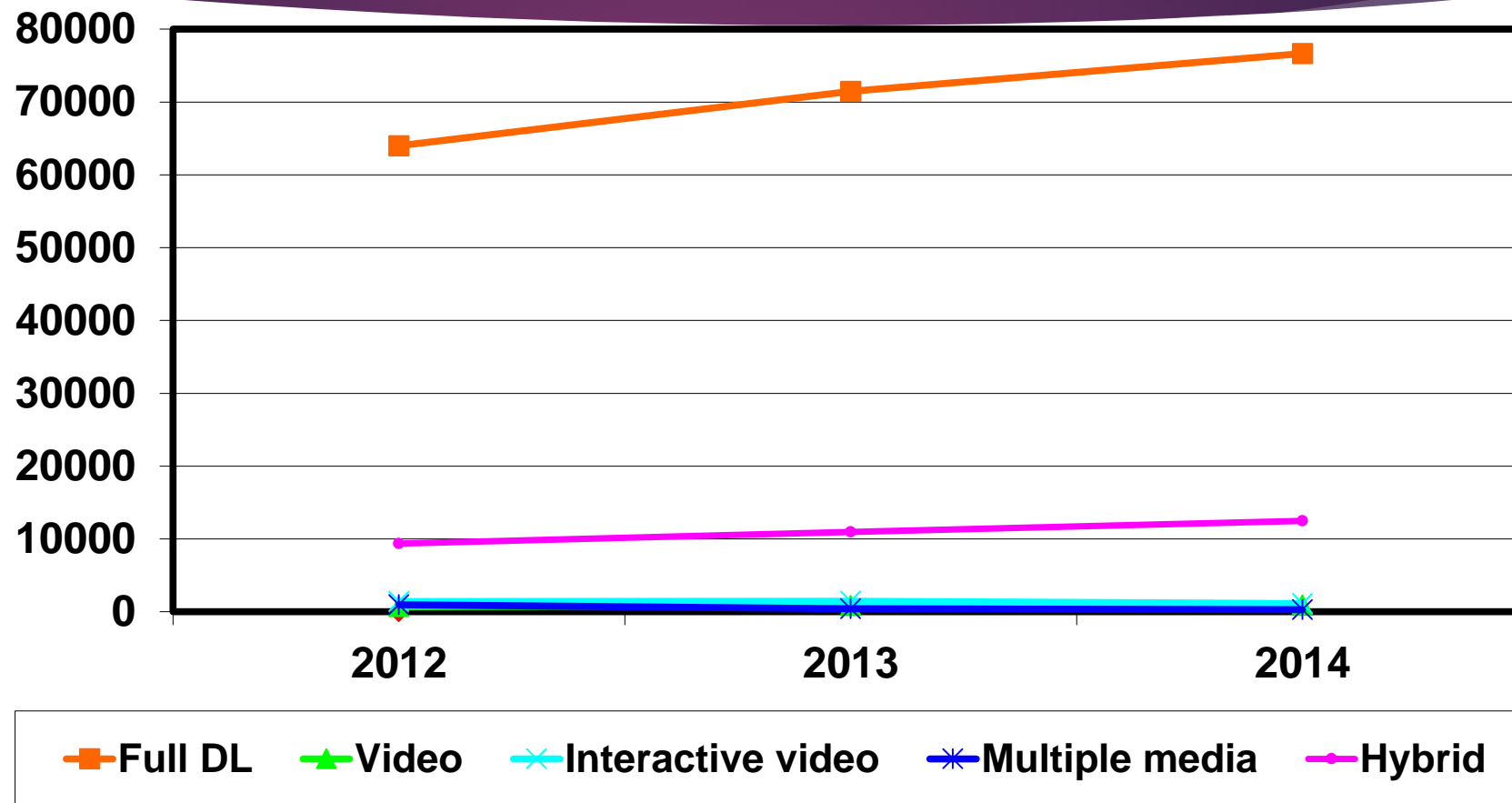
Non-core Entry Level Courses

- Accounting 2301 & 2302
- Business 1301

Data Collection

- ▶ Data was obtained from state reports
 - ▶ CBM00S: Student Schedule Report
 - ▶ CBM001: Student Report
 - ▶ CBM008: Faculty Report
- ▶ Three years of data were included in the analysis: FY12, FY13, and FY14
- ▶ The drop rate presented represents the average rate for all the years
- ▶ Due to faulty reporting a number of courses had to be removed from the analysis

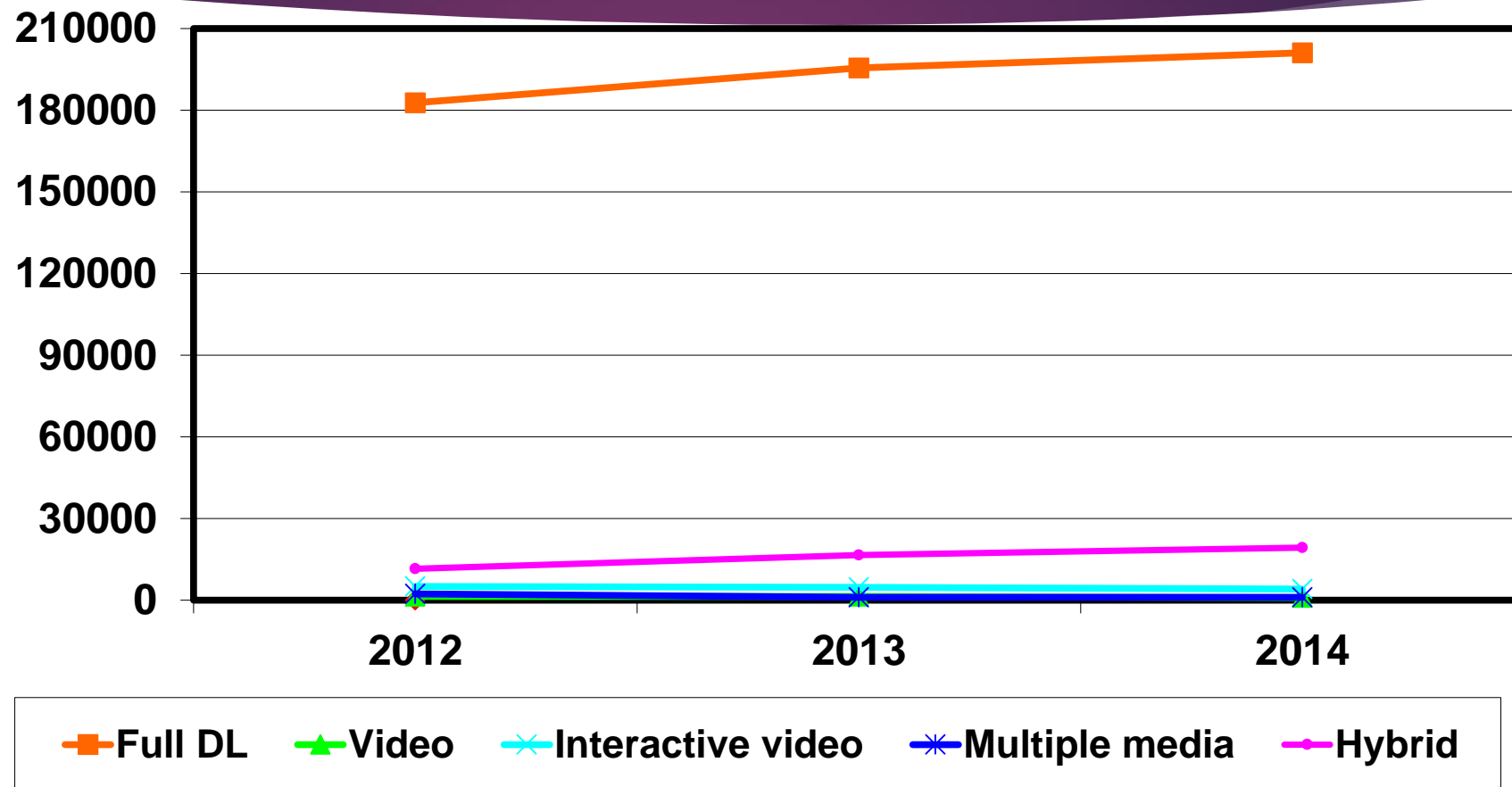
Enrollment in Distance Learning-Universities



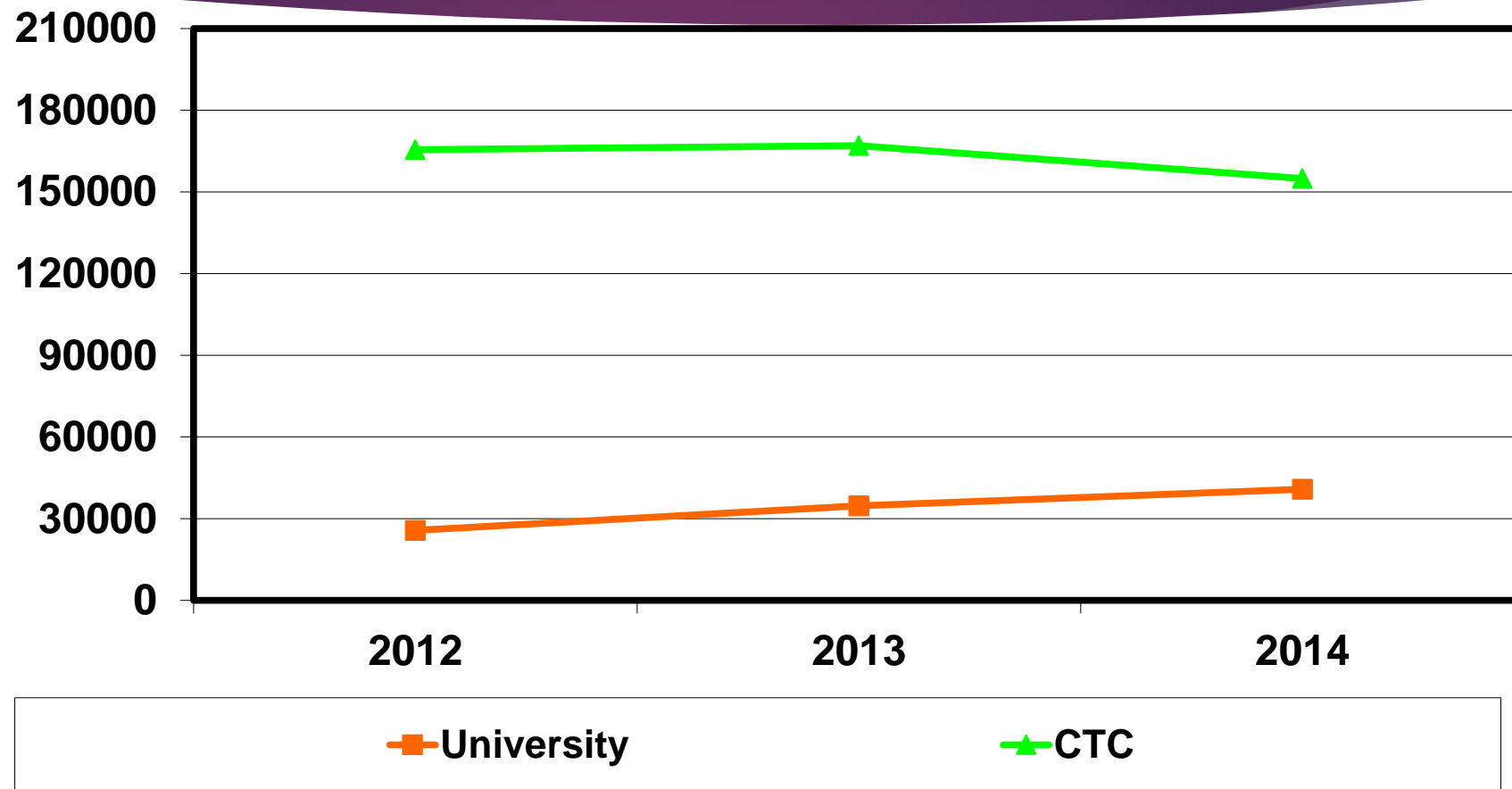
Enrollment in Distance Learning-Universities

	FY2012	FY2013	FY2014
F2F	443414	450272	452252
Full DL	63993	71475	76674
Video	691	856	949
Interactive video	1428	1451	1127
Multiple media	964	403	278
Hybrid	9361	10963	12472

Enrollment in Distance Learning- CTC



Enrollment in Distance Learning- Selected Courses

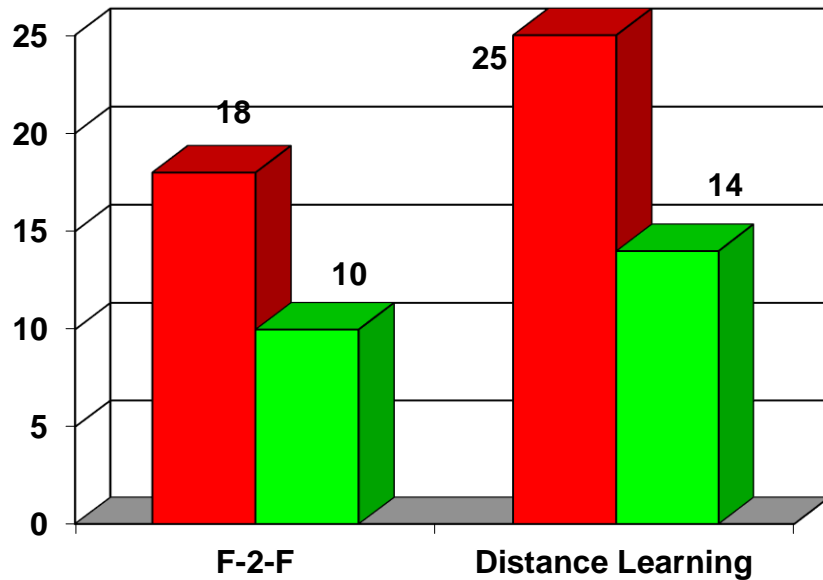


Enrollment in Distance Learning- Selected Courses

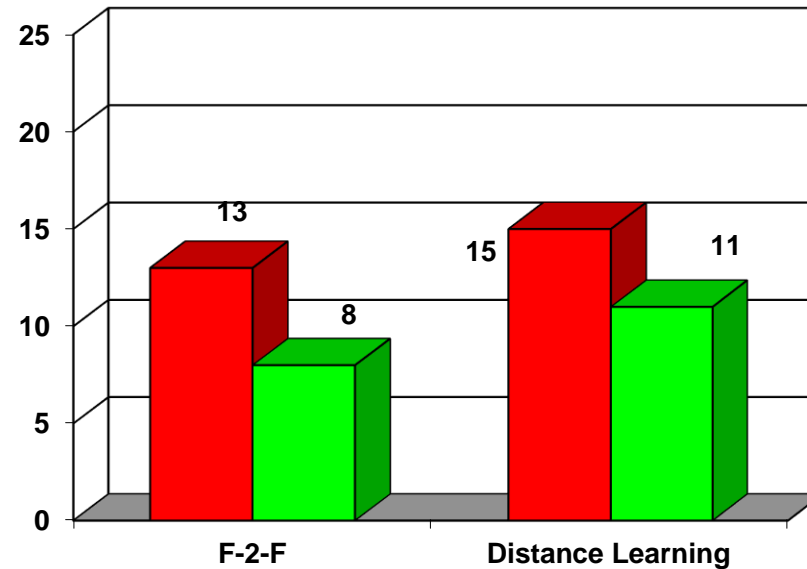
	Mode	FY2012	FY2013	FY2014
University	F2F	208572	211254	209660
University	DL	25699	34717	40889
CTC	F2F	510185	483044	462630
CTC	DL	165533	167016	155005

Drop Rate by All Selected Courses

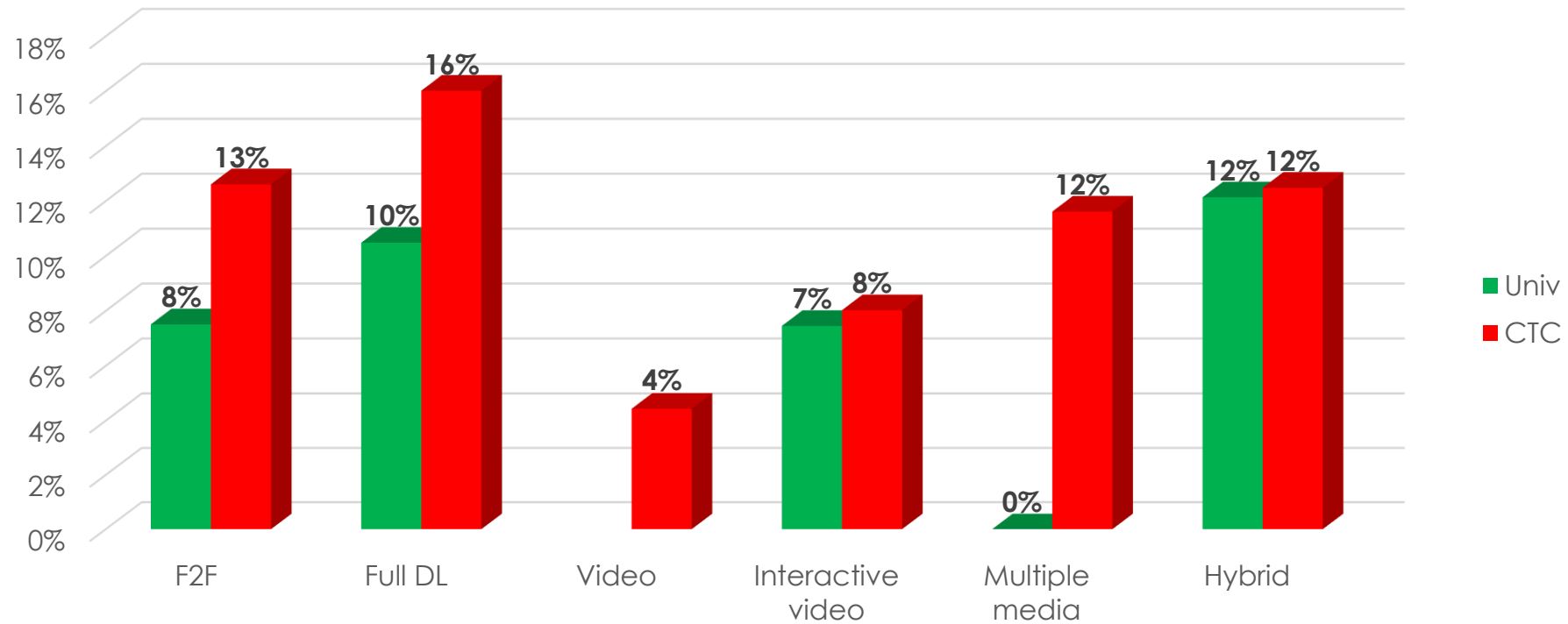
FY05 and FY06 cohorts



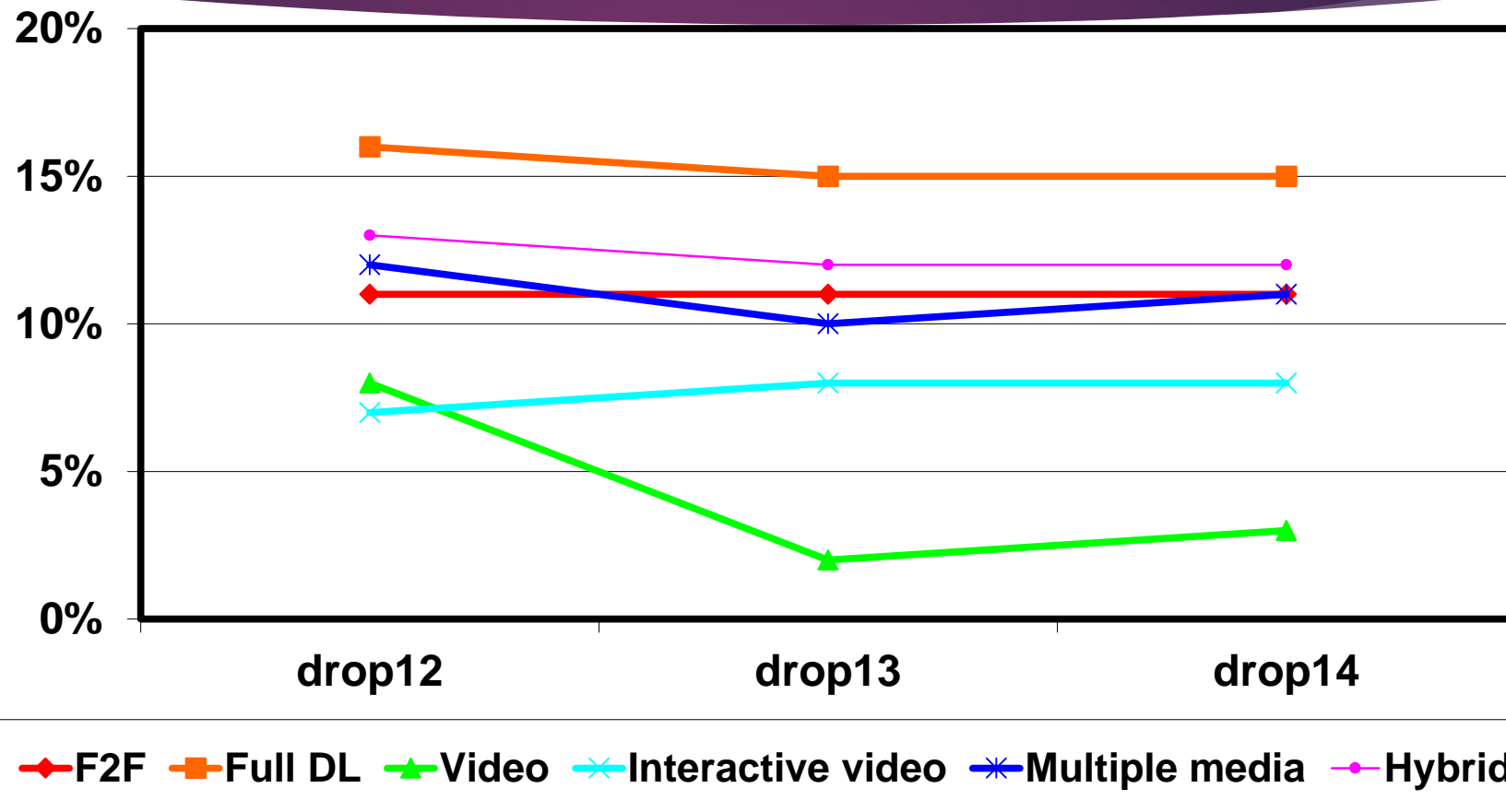
FY12, FY13, and FY14 cohorts



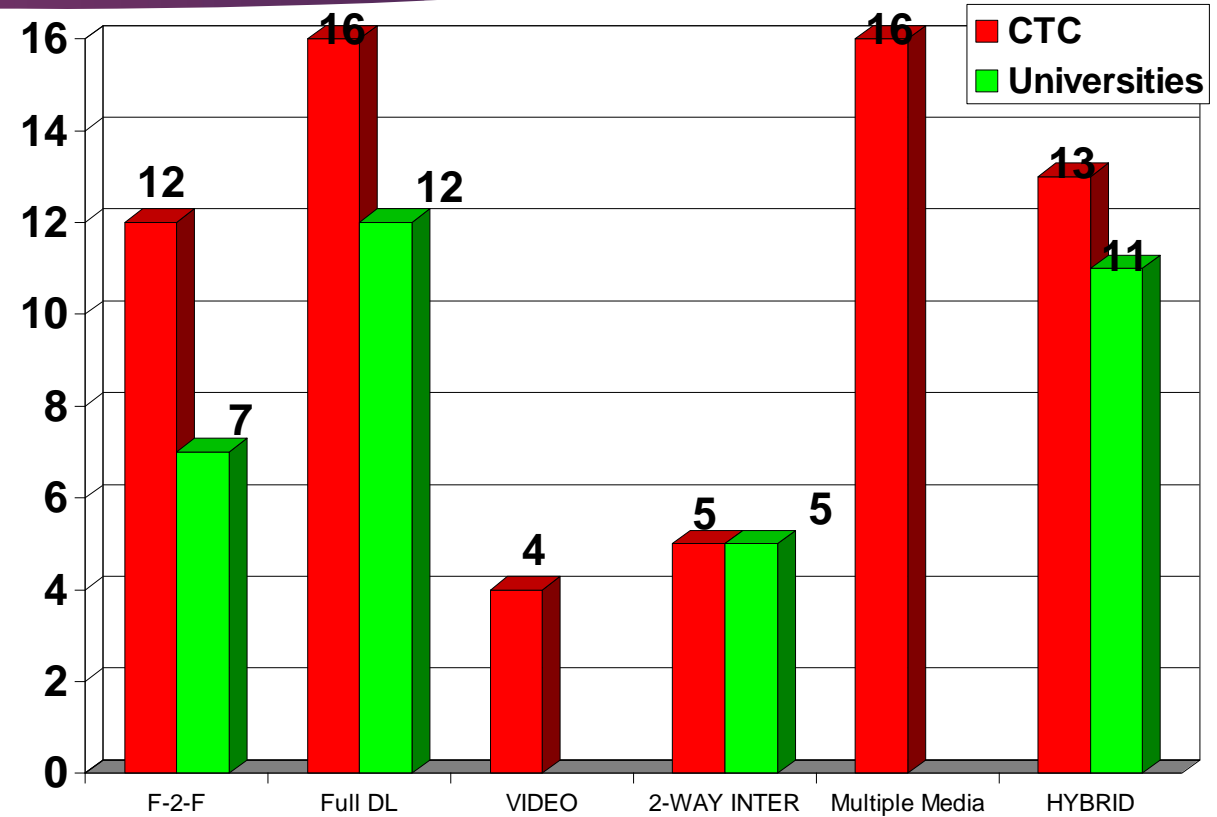
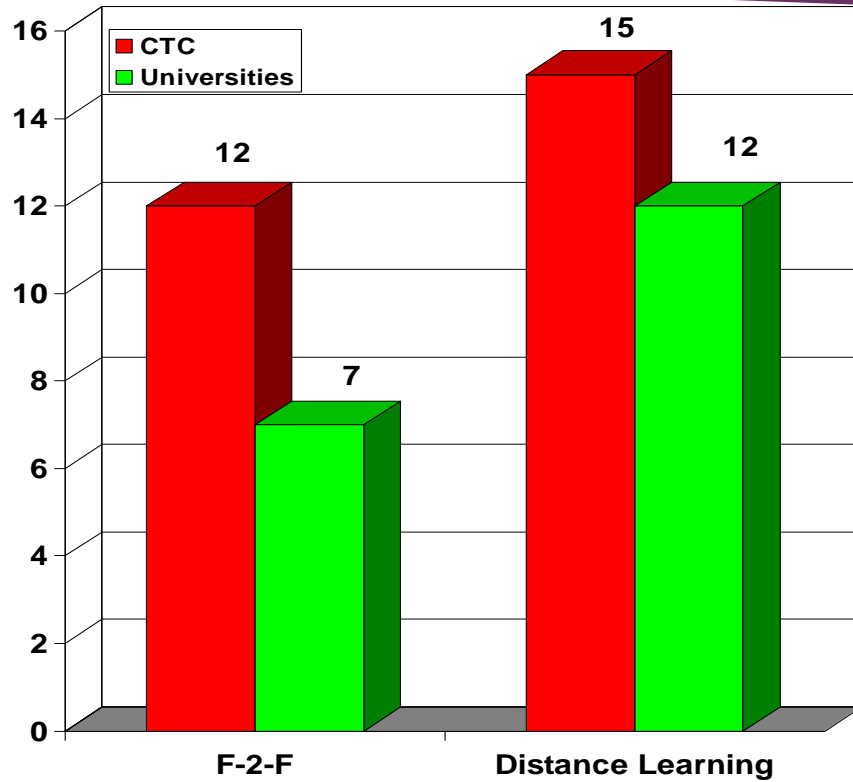
Drop Rates by Modes of Delivery



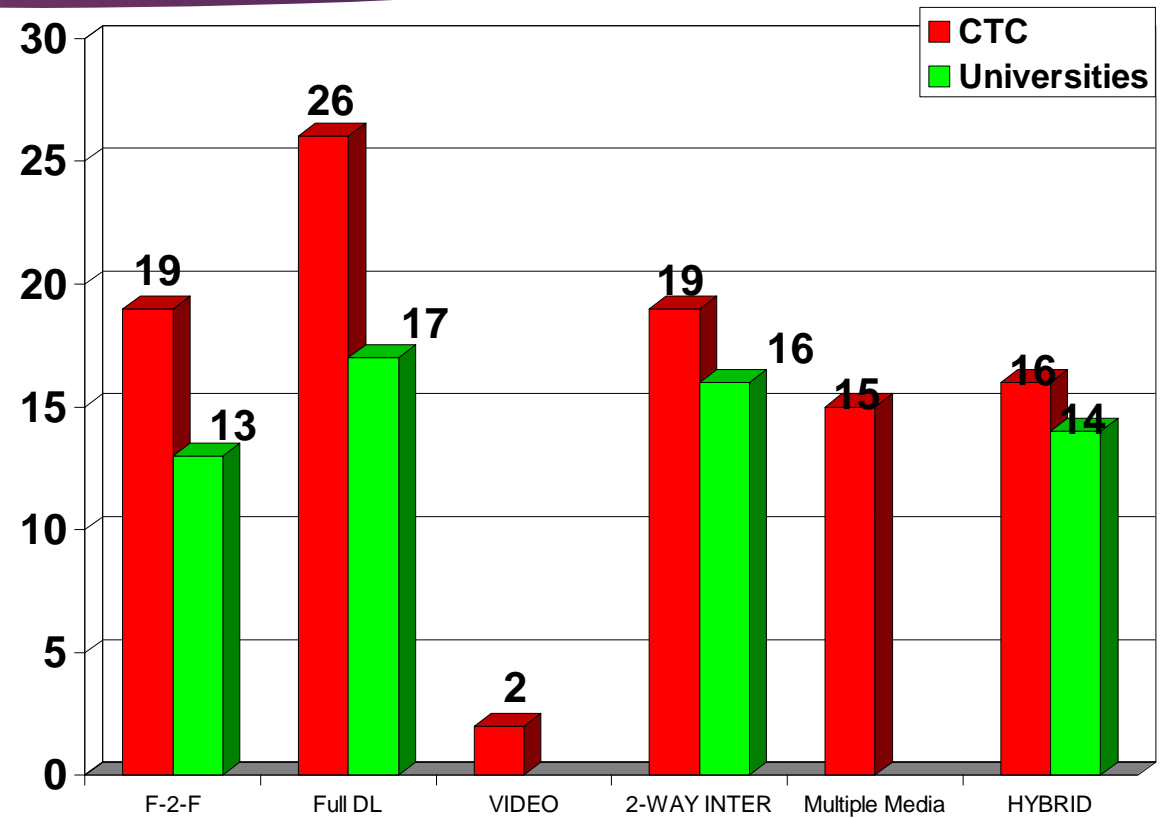
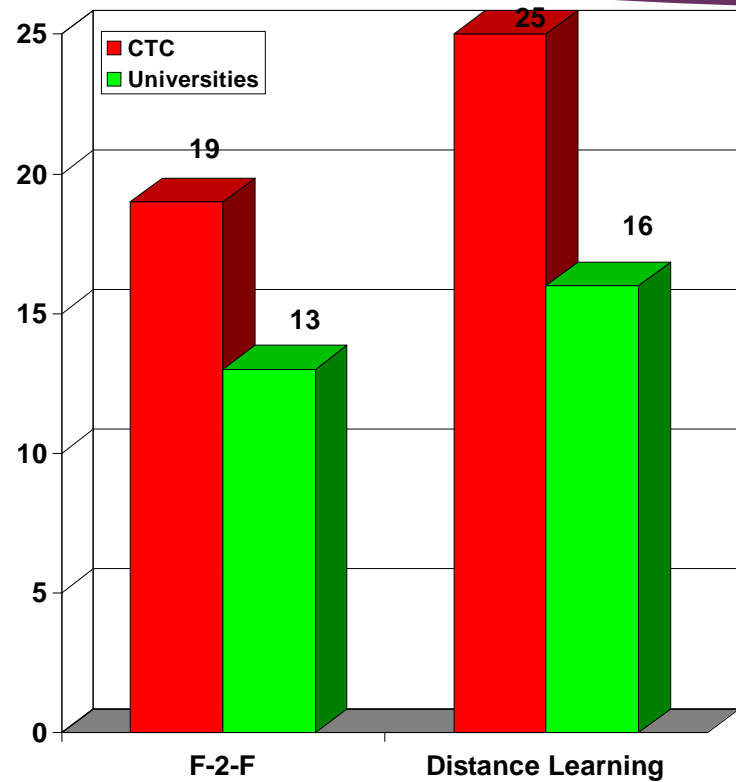
Drop Rate by All Selected Courses by Year



Drop Rate by Courses English 1301

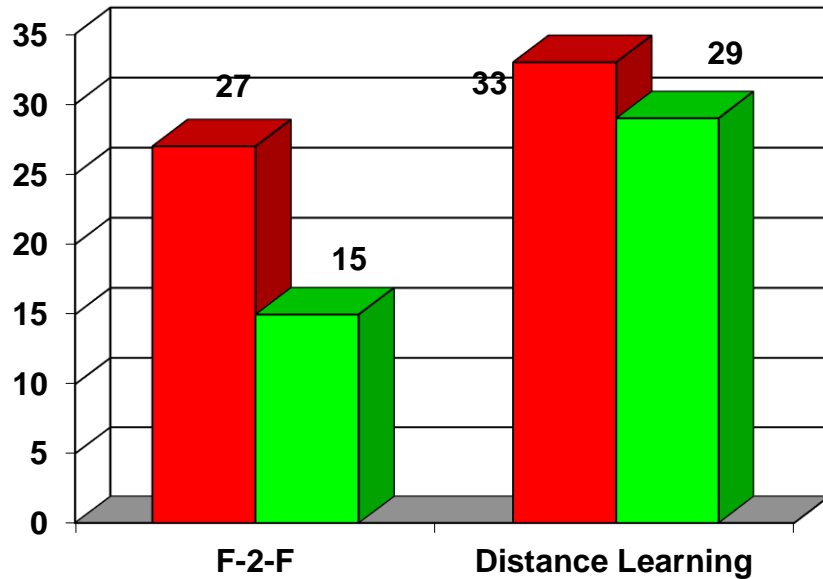


Drop Rate by Courses Algebra

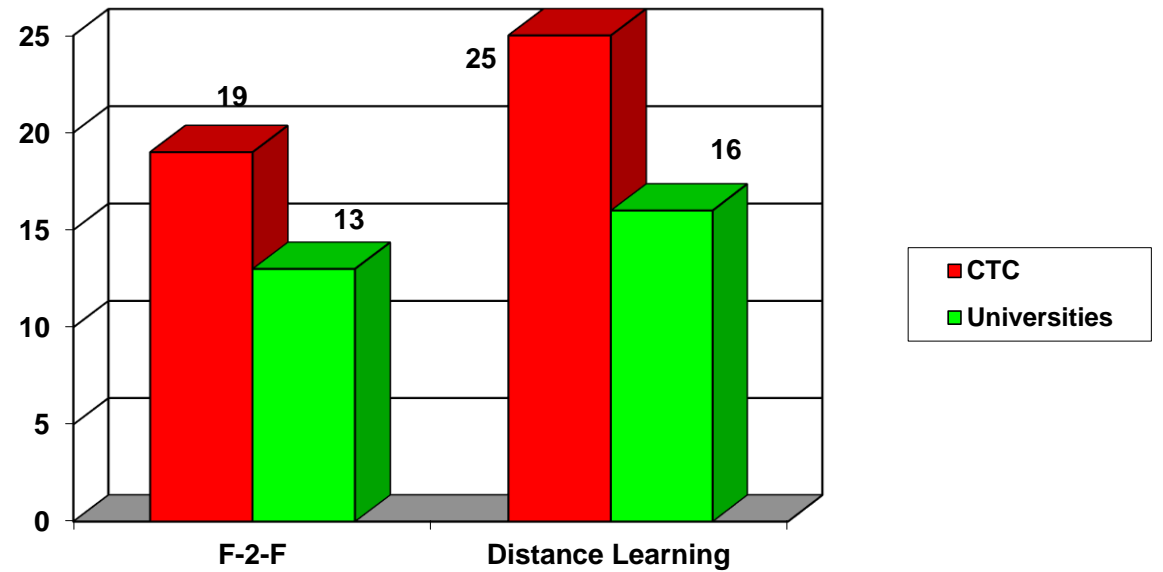


Drop Rate for Algebra

FY05 and FY06 cohorts



FY12, FY13, and FY14 cohorts



Factors Influencing the Drop Rates in Selected Courses

- ▶ Age
 - ▶ Younger than 20
 - ▶ Between 20 and 24 years of age
 - ▶ Older than 24
- ▶ Enrollment status (full- or part-time)
- ▶ Being a former developmental education student
- ▶ Length of course
 - ▶ 4 weeks or less
 - ▶ 5 to 9 weeks
 - ▶ 9 to 14 weeks
 - ▶ 14 weeks – semester long course
 - ▶ 15 or more weeks

Factors Influencing the Drop Rates in Selected Courses

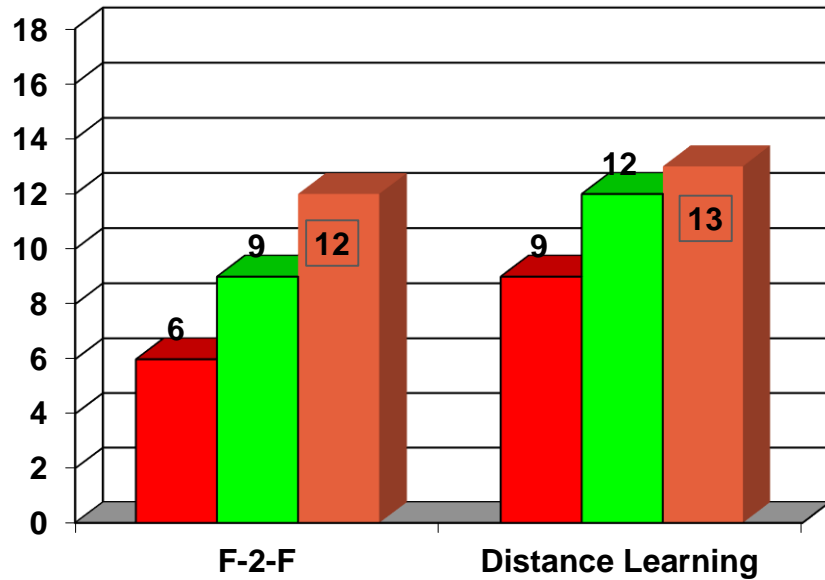
- ▶ Faculty rank
 - ▶ Universities
 - ▶ Professor
 - ▶ Associate professor
 - ▶ Assistant professor
 - ▶ Instructor
 - ▶ Other faculty
 - ▶ Teaching assistant
 - ▶ CTC:
- ▶ Faculty tenure (universities only)

Factors Influencing the Drop Rates in Selected Courses

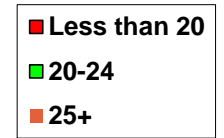
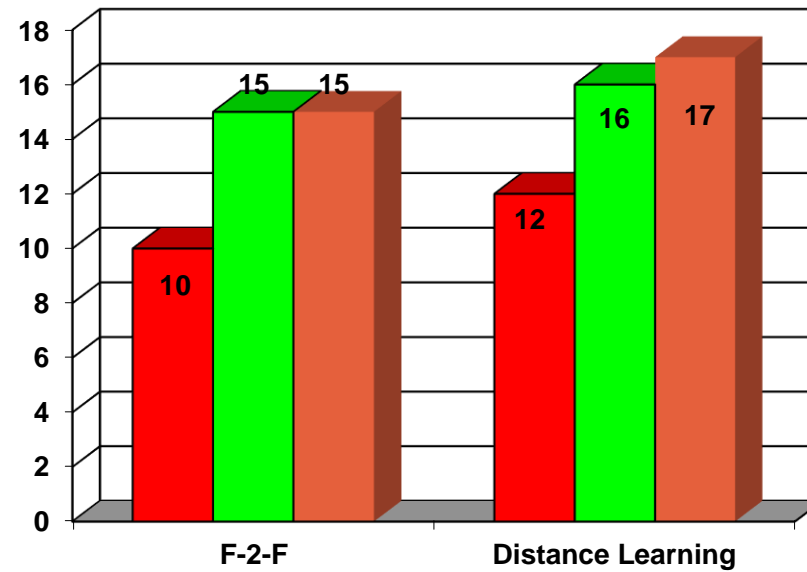
- ▶ Faculty rank
 - ▶ CTC:
 - ▶ Professor
 - ▶ Associate professor
 - ▶ Assistant professor
 - ▶ Instructor
 - ▶ Other faculty
 - ▶ No ranking system
- ▶ Faculty tenure (universities only)
 - ▶ Tenured
 - ▶ On Tenure-track
 - ▶ Non-tenured

Drop Rate by Age Group

Universities

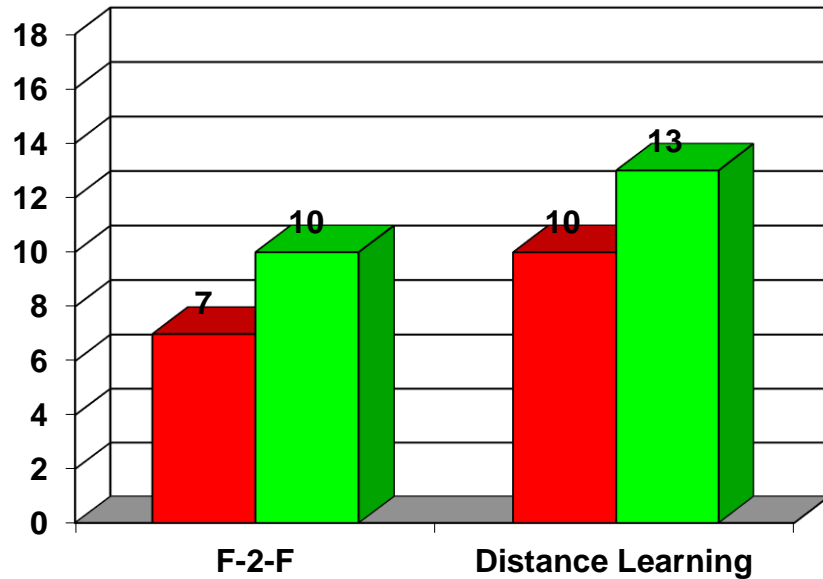


CTC

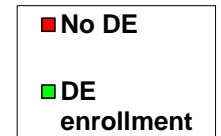
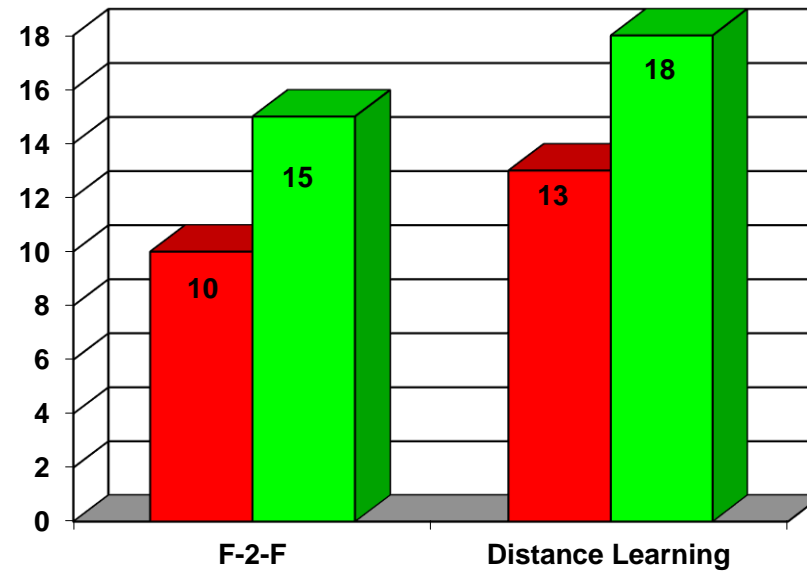


Drop Rate by DE Enrollment

Universities

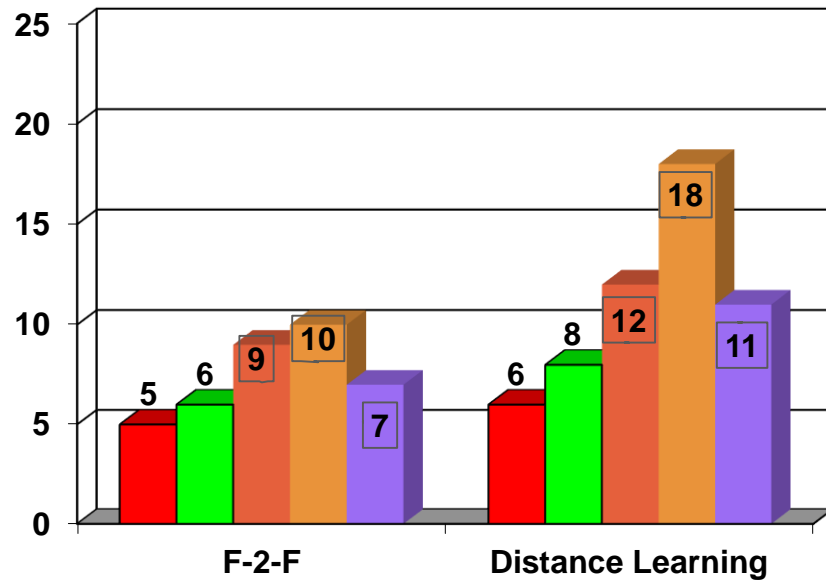


CTC

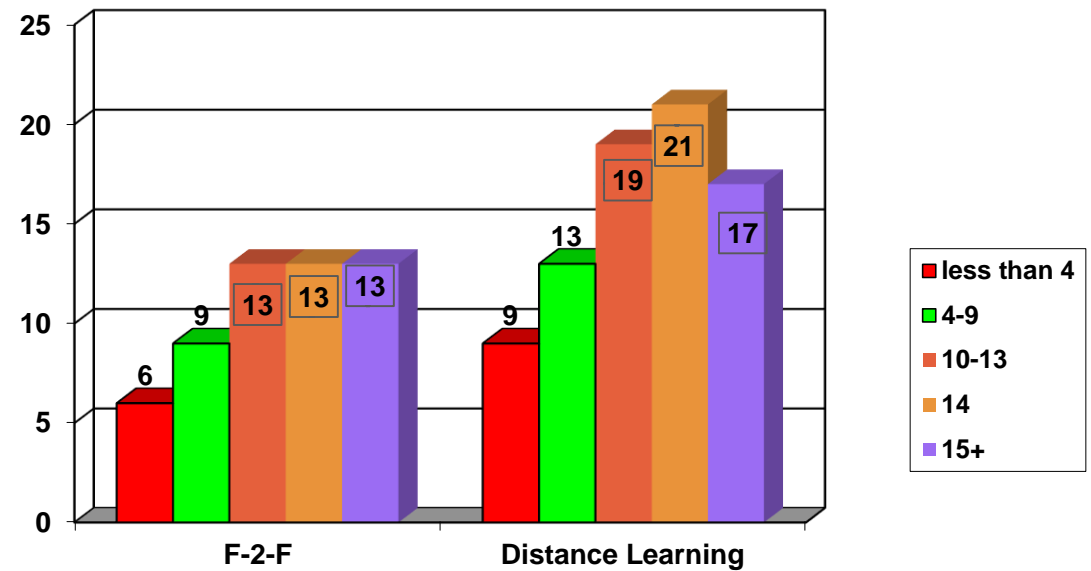


Drop Rate by Length of Course (in weeks)

Universities

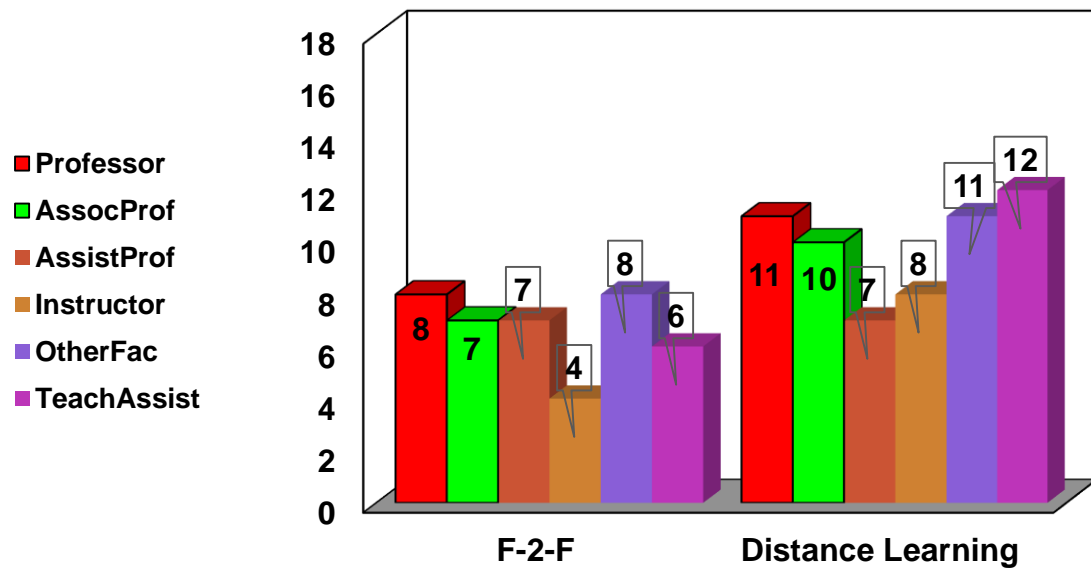


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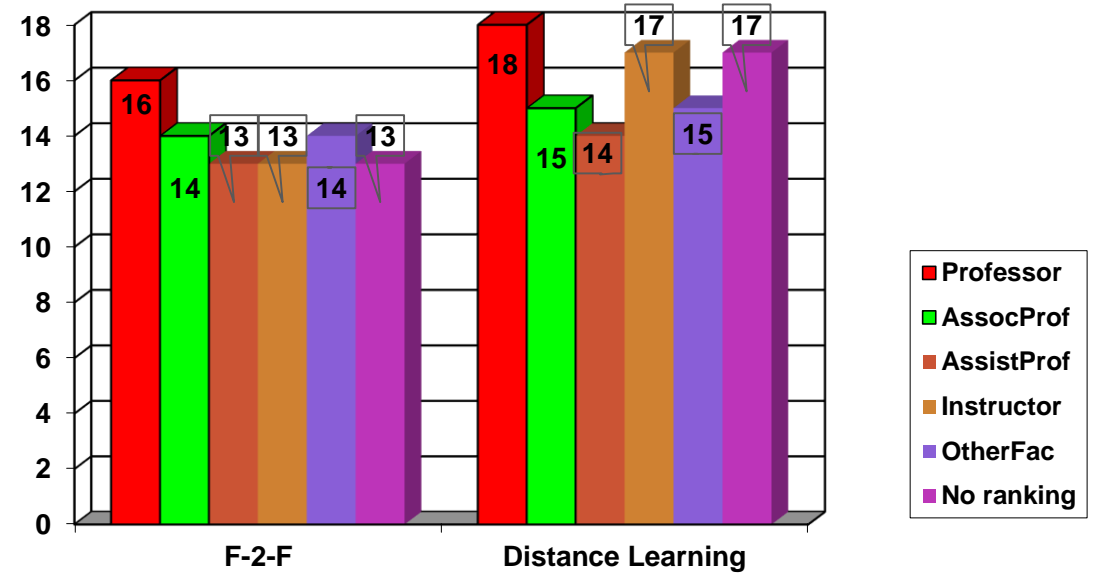


Drop Rate by Faculty Rank

Universities

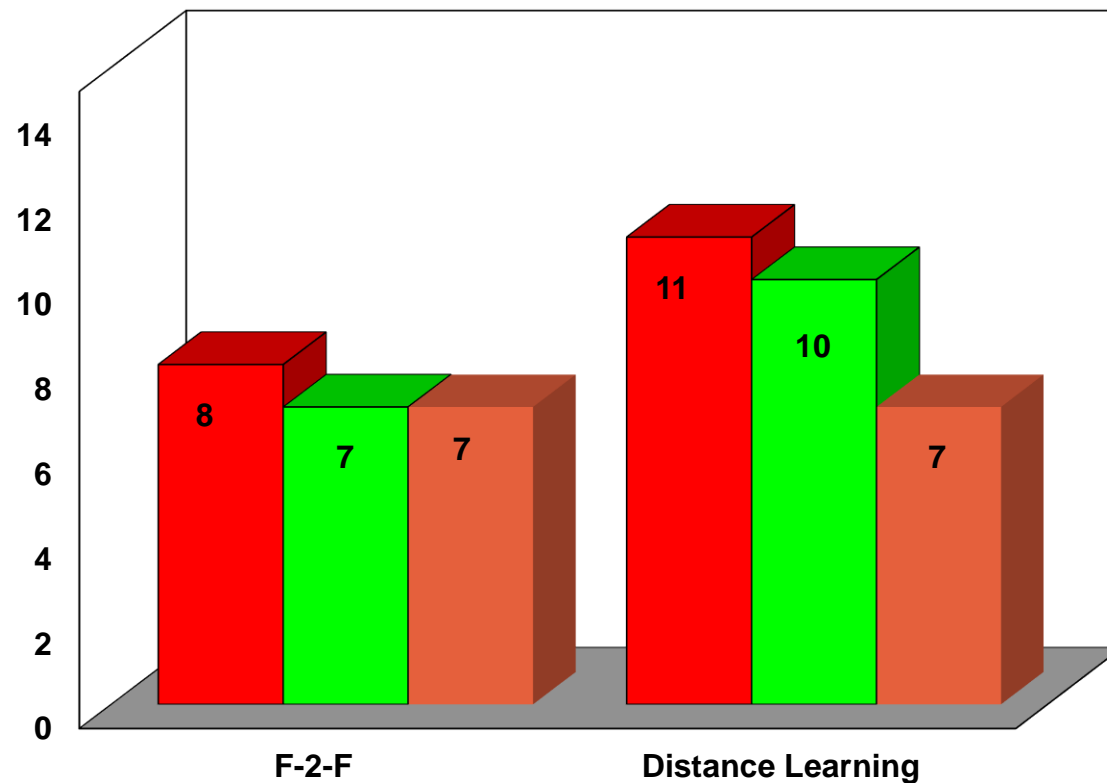


CTC



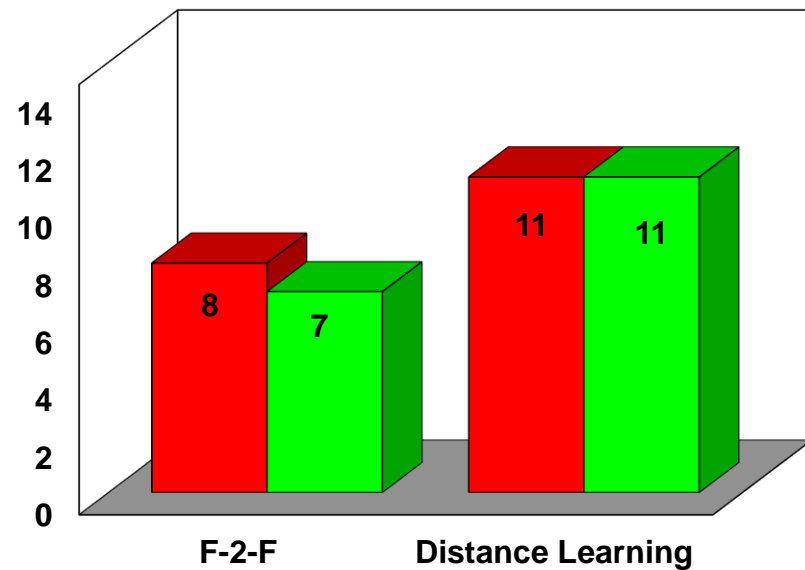
Drop Rate by Faculty Tenure

- Non-tenure
- Tenure
- Tenure Track

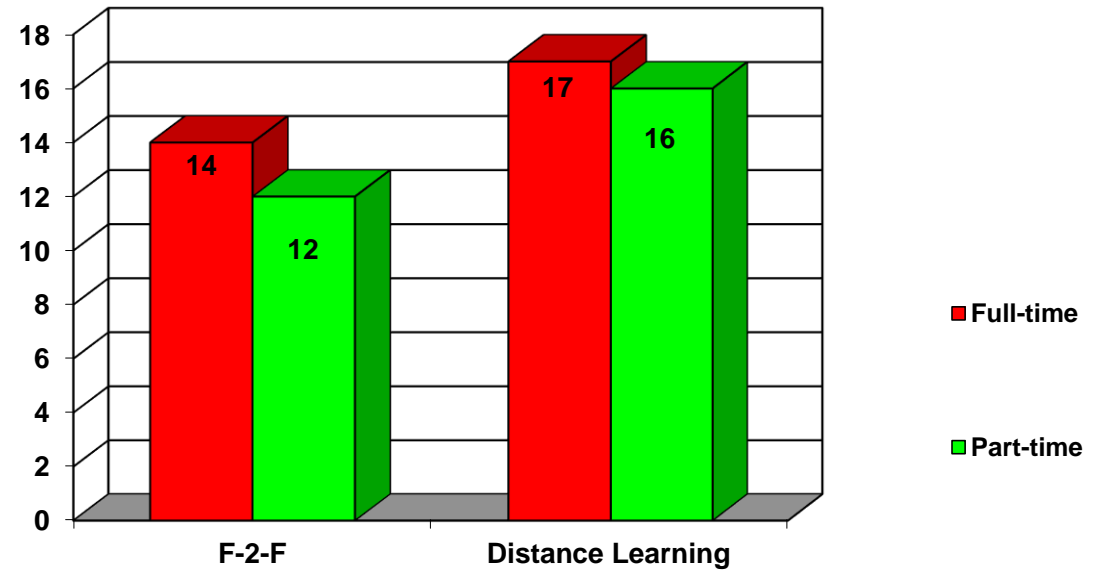


Drop Rate by Enrollment Status

Universities



CTC



Online Reports

- ▶ Distance Education Data

- ▶ <http://www.txhighereddata.org/index.cfm?objectID=1B35A155-A00D-6763-8E2AA371127E8F0E>

- ▶ Texas Higher Education Data

- ▶ <http://www.txhighereddata.org/>

QUESTIONS?

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