

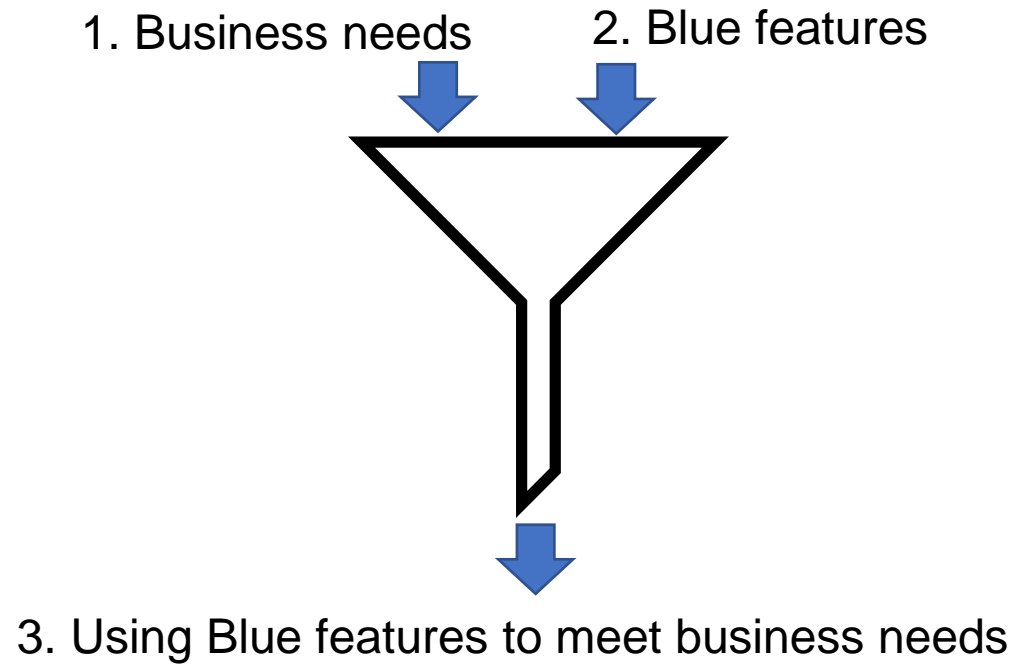
Blue Reporting with Dynamic Report Access and Merged Subjects

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Bowdoin College

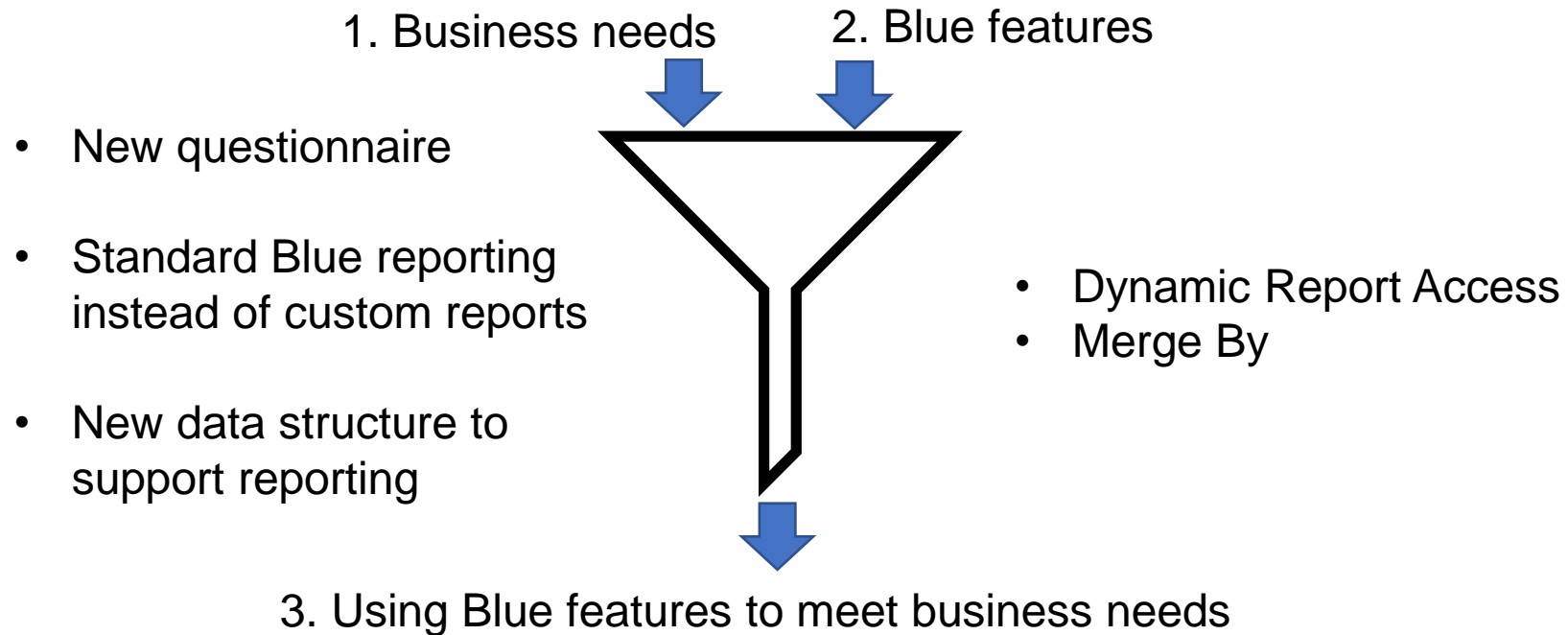
Michael Lee Jones
Consultant
Professional Services
Explorance

BlueNotes Conference, August 3, 2021

Outline



Outline



Business Needs

Bowdoin College



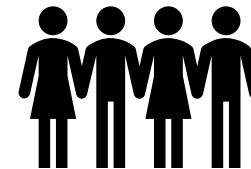
228 faculty



1776 students on-campus

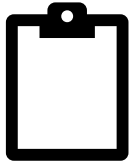


479 courses/semester



35 departments

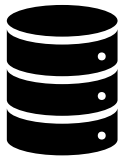
Blue redesign Fall 2020



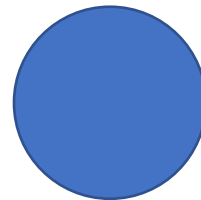
New course
questionnaire



Rewrite custom reports
using standard Blue
reporting tools



Redesign data structure to
better support reporting



Take advantage of new Blue
features since initial
implementation in Fall 2015

Business needs – report viewers

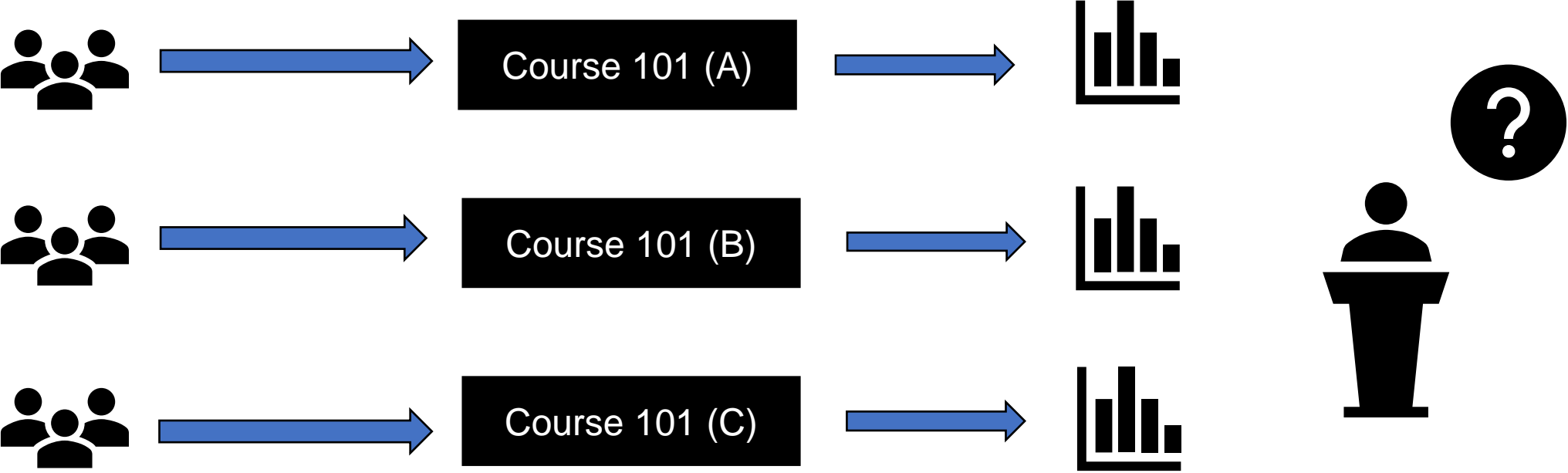
Viewers	Staff turnover	Detail reports	Summary reports
Deans	1 per year	All courses	All courses
Department chairs	10 per year	All courses in department	All courses in department All courses in major
Faculty		Courses taught Laboratories supervised	
Lab instructors		Labs taught	

Business needs – courses

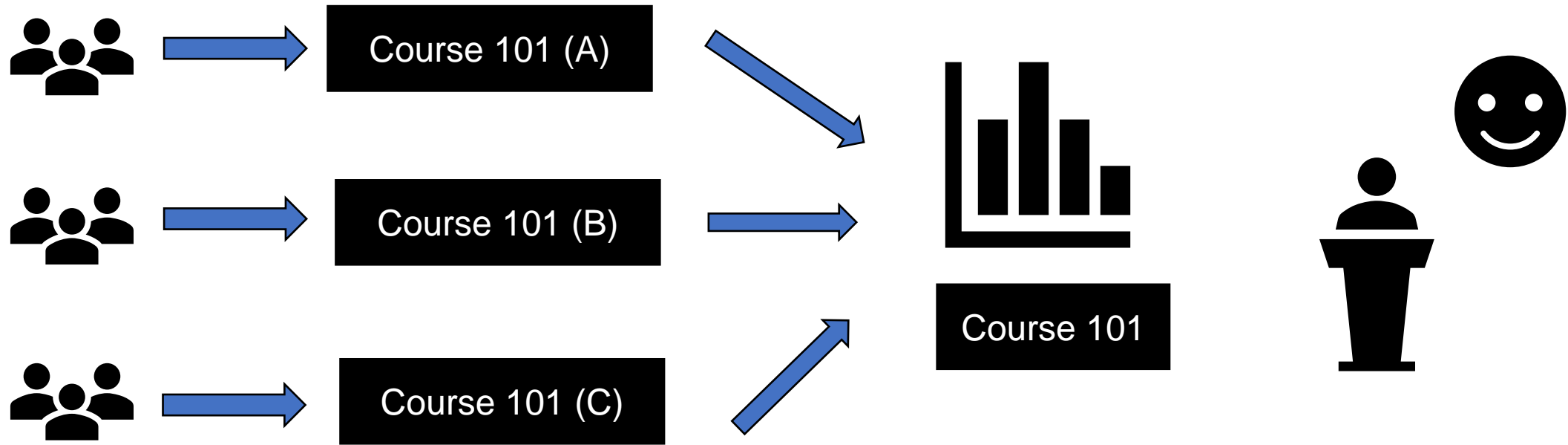
Originating Course	Crosslisting	Department(s) that can view detail	Department(s) that can view summary	
MATH 1600 A		Mathematics	Mathematics	multiple sections
MATH 1600 B		Mathematics	Mathematics	
PSYC 2750	NEUR 2361	Psychology, Neuroscience	Psychology, Neuroscience	crosslisted course
CHEM 2250		Chemistry	Chemistry, Neuroscience	course with associated lab
CHEM 2250 Lab1		Chemistry	Chemistry, Neuroscience	laboratory

Blue Features

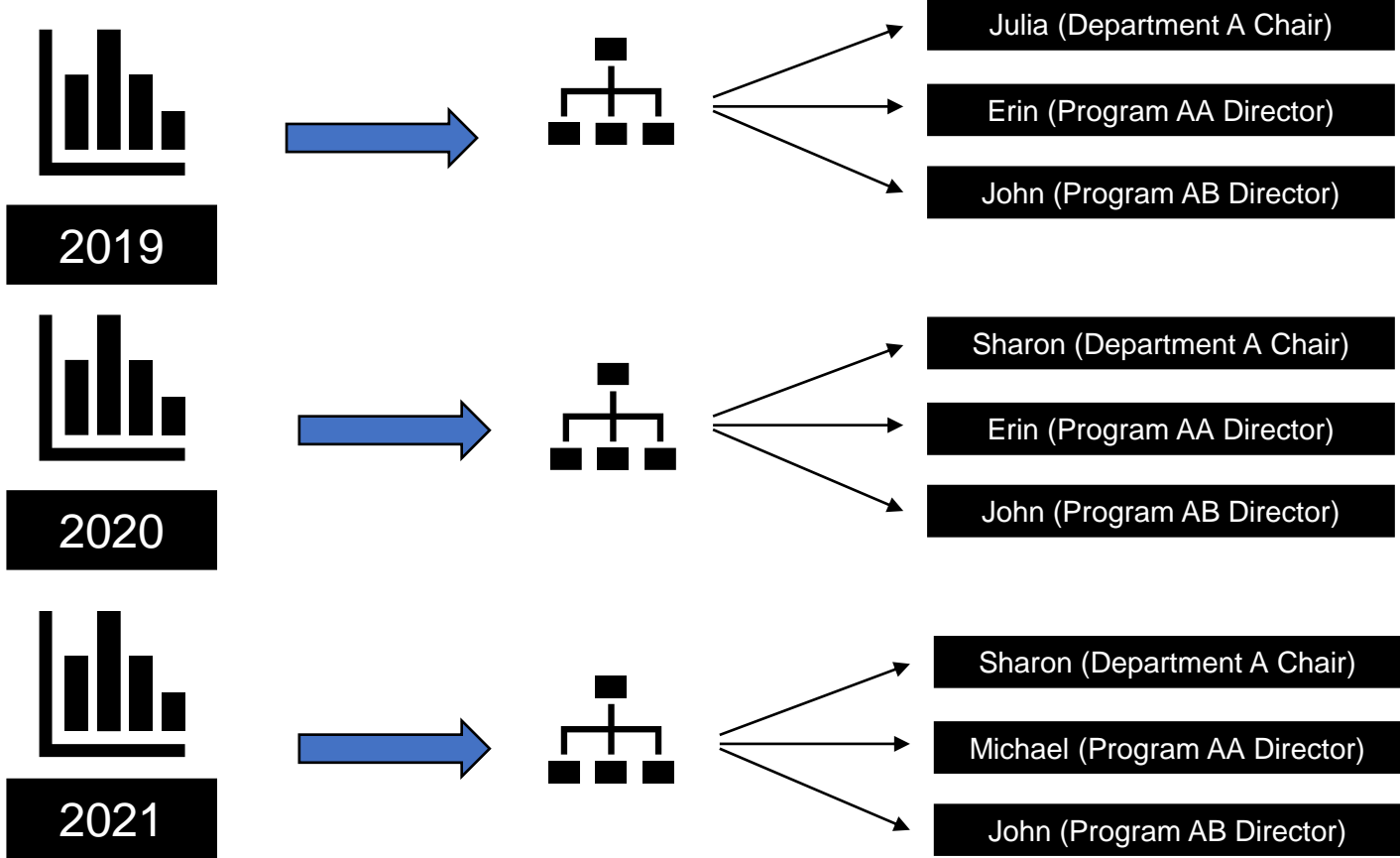
Cross-Listed Courses in Reports



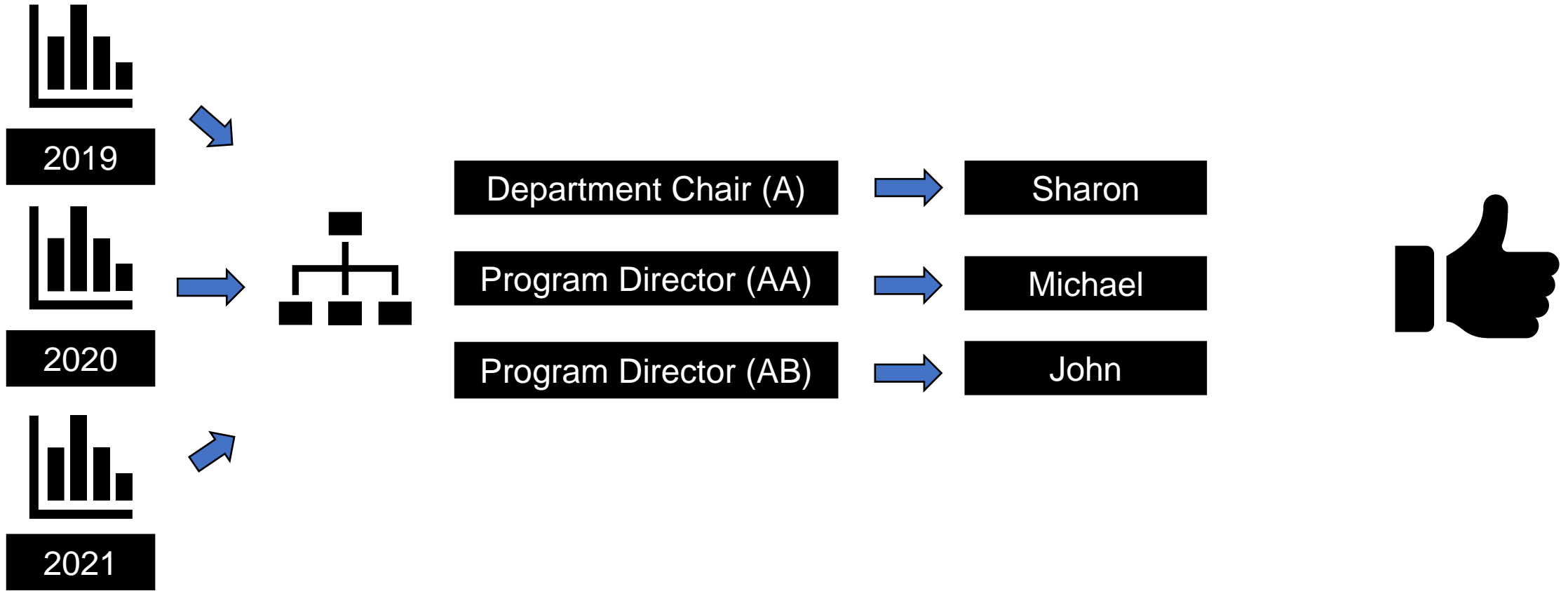
Merge Subjects (Cross-Listed Courses) in Reports



Dynamic Report Access (Course 101)



Dynamic Report Access



Using Blue Features to Meet Business Needs

Data structure

Courses – old design – one line for crosslistings & departments – required custom reports

course	type	xlist 1	dept 1	dept 2	
MATH 1600 A	course		Mathematics		multiple sections
MATH 1600 B	course		Mathematics		
PSYC 2750	course	NEUR 2361	Psychology	Neuroscience	crosslisted course
CHEM 2250	course		Chemistry	Neuroscience	course with associated lab
CHEM 2250 Lab1	lab		Chemistry	Neuroscience	laboratory

Courses – new design – separate lines for crosslistings & departments – report & security support

course	type	originating course	dept for detail	dept for summary	
MATH 1600 A	course	MATH 1600 A	Mathematics	Mathematics	multiple sections
MATH 1600 B	course	MATH 1600 B	Mathematics	Mathematics	
PSYC 2750	course	PSYC 2750	Psychology	Psychology	crosslisted course
NEUR 2361	course	PSYC 2750	Neuroscience	Neuroscience	
CHEM 2250	course	CHEM 2250	Chemistry	Chemistry	course with associated lab
CHEM 2250	course	CHEM 2250	Chemistry	Neuroscience	
CHEM 2250 Lab1	lab	CHEM 2250 Lab1	Chemistry	Chemistry	laboratory
CHEM 2250 Lab1	lab	CHEM 2250 Lab1	Chemistry	Neuroscience	

Data structure

CourseInstructor

originating course	instructor id	course name	instructor name	evaluate?	view report?
MATH 1600 A	7395	Calculus I	Bill Boxer	Y	Y
MATH 1600 B	8287	Calculus I	Ellen Grant	Y	Y
PSYC 2750	4536	Affective Neuroscience	Alice Ford	Y	Y
PSYC 2750	4536	Affective Neuroscience	Ann Lewis	Y	Y
CHEM 2250	1234	Organic Chemistry	Jane Smith	Y	Y
CHEM 2250 L1	5678	Organic Chemistry (lab)	John Doe	Y	Y
CHEM 2250 L1	1234	Organic Chemistry (lab)	Jane Smith	N	Y

CourseStudent

originating course	student id	course name	student name
MATH 1600 A	1111	Calculus I	Janet Erskine
MATH 1600 A	8957	Calculus I	Hugh Stroud
MATH 1600 B	2430	Calculus I	George White
MATH 1600 B	1011	Calculus I	Alex Green
PSYC 2750	1679	Affective Neuroscience	Francis Blue
PSYC 2750	8957	Affective Neuroscience	Hugh Stroud
CHEM 2250	1011	Organic Chemistry	Alex Green
CHEM 2250	1679	Organic Chemistry	Francis Blue
CHEM 2250 L1	1011	Organic Chemistry (lab)	Alex Green
CHEM 2250 L1	1679	Organic Chemistry (lab)	Francis Blue

Reports – Group By and Merge Subjects

Report Type

Roll Over

Individual

Group by

Courses

Department 2 and Course Section Type

Distributed

Breakdown by Secondary Subject

Export

Automatic Update

Update static viewers automatically from project group definition

Merge Subjects

Based on

Originating Course ID

Display Name

Course Title for Merge

Indicates Master

Include original subject names

Reports – Dynamic Report Access

Faculty report

Static Viewers **Dynamic Viewers** Static Viewers Export / Import

Dynamic Group Connections

Bowdoin level	<input checked="" type="checkbox"/>	Connected
Department Chair	<input type="checkbox"/>	Disconnected
Program Director	<input type="checkbox"/>	Disconnected
Subdepartment Chair	<input type="checkbox"/>	Disconnected
Bowdoin level 2	<input type="checkbox"/>	Disconnected
Department Chair 2	<input type="checkbox"/>	Disconnected
Program Director 2	<input type="checkbox"/>	Disconnected
Subdepartment Chair 2	<input type="checkbox"/>	Disconnected

Faculty report for dept chairs

Static Viewers **Dynamic Viewers** Static Viewers Export / Import

Dynamic Group Connections

Bowdoin level	<input type="checkbox"/>	Disconnected
Department Chair	<input checked="" type="checkbox"/>	Connected
Program Director	<input checked="" type="checkbox"/>	Connected
Subdepartment Chair	<input checked="" type="checkbox"/>	Connected
Bowdoin level 2	<input type="checkbox"/>	Disconnected
Department Chair 2	<input type="checkbox"/>	Disconnected
Program Director 2	<input type="checkbox"/>	Disconnected
Subdepartment Chair 2	<input type="checkbox"/>	Disconnected

Reports

Report	Type	Group by	Digital Rights Access 1 for Detail	Digital Rights Access 2 for Summary	Static viewers
College report	Group by	Course type		College	
Department report	Group by	Dept 2 & Course type		College Division Department Subdepartment	
Faculty report	Individual		College		Instructors
Faculty report for dept chair * for faculty mentoring * no PDF download	Individual		Division Department Subdepartment		Instructors

Questions?