

DIG –

**As Powerful as Duct Tape
and Gorilla Glue**

Lisa Emery

Senior Associate University Registrar

University of Michigan

- Blue adopted in January 2019
- DIG licensed January 2019
- 4 evaluation cycles annually
- Approximately 500,000 surveys per year



Gloria Eccleston

Director of Online Learning & Services
Washtenaw Community College

- Blue adopted 2017
- DIG licensed Winter 2018
- 3 major evaluation cycles annually (one per semester)
- W'17 pilot of 5,152 online surveys for online sections, added paper, now about 70,000 online per year



DIG – as Powerful as Duct Tape and Gorilla Glue

- The concept and explanation of DIG
- Workflow of DIG
- How it cleans up the data
- Why DIG?



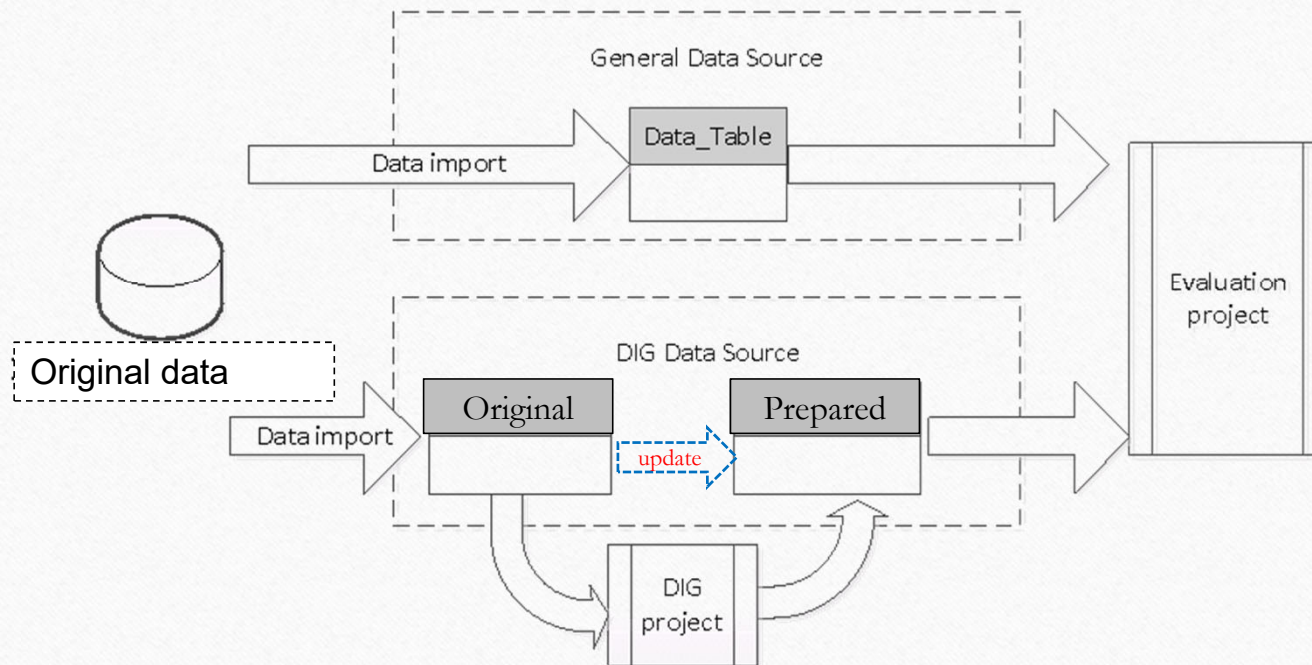
DIG – Data Integrity Gateway

The Middle Man - Data Preparation

- Clean errors in data before the feedback process
 - Data from main datasources may be flawed (Peoplesoft or Banner)
 - Data from main datasources may change, but you need original
- Add and remove data before the feedback process

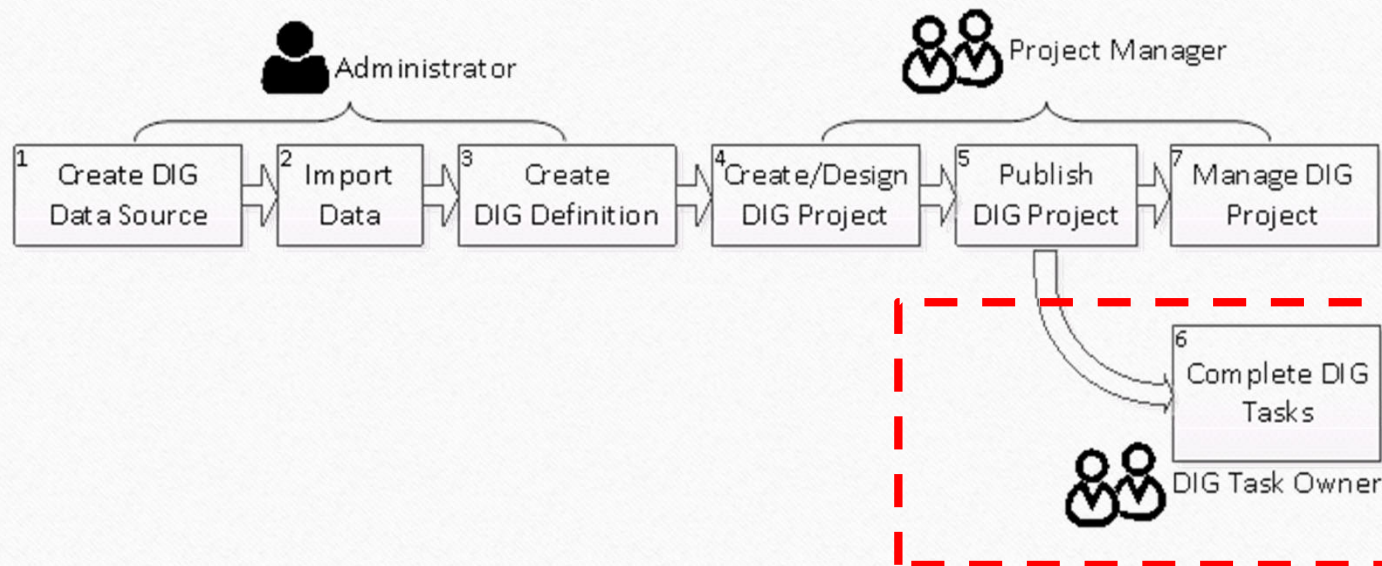


DIG Explanation



- Prepared records are **automatically updated** by the original data.

DIG Concept & Workflow



Role of DIG

University of Michigan

- Determine which classes to evaluate
- Assign question templates
- Adjust start/end dates
- Order Midterm evaluations
- Split classes into multiple evaluations
- Adjust combined sections
- Add/delete instructors
- Add comments



Replaces the old way of ordering

E&E Office of Evaluations & Examinations
The University of Michigan
200 Hill Street
Ann Arbor, MI 48104-3297
Tel.: (734)763-2482 Fax: (734)764-4221

306

Department Requisition
Teaching Questionnaires
Fall 2006

Subject Area: Information

Core(s) Available *
Core # Core Name
See attached listings.

Contact: [REDACTED]

Address: 403 West Hall

Zip: 1107 Phone: [REDACTED]

Core No.	CAT#	SEC	CMP	Enrollment	Instructor
100 Level Courses					
01	110	001-1	LEC	31	Frost, Robert L.
0	110	001-2	LEC	30	Seale, Maura Megan
	110	002-1	DIS	18	Frost, Robert L.
02	110	002-2	DIS	19	Seale, Maura Megan
0	110	003-1	DIS	12	Frost, Robert L.
02	110	003-2	DIS	12	Seale, Maura Megan
500 Level Courses					
05	501	001-1	LEC	60	Faniel, Ischel M.
05	501	001-2	LEC	60	Olson, Judith Spencer
0	501	002-1	DIS	20	Faniel, Ischel M.
06	501	002-2	DIS	20	Hilligoss, Phillip Brian
0	501	002-3	DIS	20	Olson, Judith Spencer
0	501	003-1	DIS	21	Faniel, Ischel M.
0	501	003-2	DIS	21	Olson, Judith Spencer

And the more recent way of ordering

Save Fall 2016, SI, Final Evaluation, Component SEM, No Zero Enrl Tot, No Ind Stdy, All Instructors

Personalize | Find | First 1-17 of 17 Last

Detail (Edit)	Catlg Nbr	Class Sect	Comp	Description	Class Sessn	Enrl Tot	Cmb Sctn	Tplt Nbr	Tplt Description	Eval Nbr	Eval Status	Instructor Name	Instructor Role	Cntct %	Eval Type	Start Date	Due Date	
Q	316	001	SEM	Social Media Feeds	Regular	35	C	30618	SI Undergrad Core	191517	A	<input checked="" type="checkbox"/>	Lampe, Clifford A	Prim Instr	100	F	12/01/2016	12/14/2016
Q	390	089	SEM	Internship	Regular	20						<input type="checkbox"/>	Dunn, Kathryn	Prim Instr	100	F		
Q	515	001	SEM	Engin App Media Tech	Regular	10	C	69102	PAT OModhrain Core	197833	A	<input checked="" type="checkbox"/>	O'Modhrain, Maire Sile	Prim Instr	100	F	12/01/2016	12/14/2016
Q	519	001	SEM	Intel Prop&Info Law	Regular	12		30601	SI Default Core (1)	191531	A	<input checked="" type="checkbox"/>	Levine, Melissa Smith	Prim Instr	100	F	12/01/2016	12/14/2016
Q	548	001	SEM	Prin Soft Design	Regular	7	C	20101	EDUC Default Core (1)	196608	A	<input checked="" type="checkbox"/>	Quintana, Christopher Lee	Prim Instr	100	F	12/01/2016	12/14/2016
Q	549	001	SEM	Trfrm Lrng Tchg Tech	Regular	10	C	30601	SI Default Core (1)	191540	A	<input checked="" type="checkbox"/>	Fishman, Barry Jay	Prim Instr	100	F	12/01/2016	12/14/2016
Q	573	001	SEM	HI Seminar I	Regular	32	C	75601	PUBHLTH Default Core (1)	196292	A	<input checked="" type="checkbox"/>	Resnick, Paul J	Prim Instr	100	F	12/01/2016	12/14/2016
Q	574	001	SEM	HI Seminar II	Regular	15	C	75601	PUBHLTH Default Core (1)	196294	A	<input checked="" type="checkbox"/>	Resnick, Paul J	Prim Instr	100	F	12/01/2016	12/14/2016
Q	623	001	SEM	Res Meth Info Prof	Regular	23		30601	SI Default Core (1)	191559	A	<input checked="" type="checkbox"/>	Lagoze, Carl	Prim Instr	100	F	12/01/2016	12/14/2016
Q	661	001	SEM	Mgmt in Health Info	Regular	23	C	30601	SI Default Core (1)	191567	A	<input checked="" type="checkbox"/>	Adler-Milstein, Julia	Prim Instr	100	F	12/01/2016	12/14/2016
Q	671	001	SEM	Data Mining	Regular	22		30601	SI Default Core (1)	191573	A	<input checked="" type="checkbox"/>	Vydiswaran, Vinod Vganesan	Prim Instr	100	F	12/01/2016	12/14/2016
Q	681	089	SEM	Intern/Field Seminar	Regular	1						<input type="checkbox"/>	Dunn, Kathryn	Prim Instr	100	F		
Q	701	001	SEM	Doctoral Fnd Sem	Regular	14		30601	SI Default Core (1)	191576	A	<input checked="" type="checkbox"/>	Edwards, Paul N	Prim Instr	100	F	12/01/2016	12/14/2016
Q	702	001	SEM	Sem Orgnztl St	Regular	2	C					<input type="checkbox"/>	Cortina, Lilia M	Sec Instr	50	F		
Q	702	001	SEM	Sem Orgnztl St	Regular	2	C					<input type="checkbox"/>	Davis, Gerald F	Prim Instr	50	F		
Q	710	003	SEM	Research Sem in Info	Regular	8		30601	SI Default Core (1)	191577	A	<input checked="" type="checkbox"/>	Pierce, Casey Brittany Spruill	Prim Instr	100	F	12/01/2016	12/14/2016
Q	710	004	SEM	Research Sem in Info	Regular	6	C	30601	SI Default Core (1)	191578	A	<input checked="" type="checkbox"/>	Edwards, Paul N	Prim Instr	100	F	12/01/2016	12/14/2016

Role of DIG

Washtenaw Community College

- Review data and verify
- Quality Assurance
- Merge some cross-listed offerings
- One course, multiple instructors (team-taught)
- Instructor changes after feedback gathering begins and/or after semester begins
- Delete sections not being evaluated
- Correct Blackboard site IDs



Who Does the DIG Work?

- DIG allows you to delegate a DIG task to one or more groups within the definition
- Task owners can be assigned *specific tasks* within *specific parameters*
 - Manage the DIG tasks once the DIG Project is published
 - DIG tasks are in the Data Preparation area



Welcome **Lisa Emery**
University of Michigan

My Home

Tasks

1 of 1 (filtered from 1 tasks)



Review and Publish the data assigned to you for Spring & Summer 2019 Teaching Evaluation Orders

🕒 Fri, Aug 30, 2019 11:59 PM



Delegation in DIG

University of Michigan

- Academic departments
- 300 users
- Access is based on their security in the SIS
- Cross-listed classes go to the users in the “home” department
- Lots of turn-over in staff



Delegation in DIG

Washtenaw Community College

- Enterprise System – centralized DIG work
- Blue Administrator and Project Manager



What We Accomplish

University of Michigan

- Blue Administrators do not need to track orders in a separate system
- Instructors can be adjusted as needed
- A single class can have multiple evaluations
 - Useful for team-taught classes when instructors are teaching for specific weeks during a term



What We Accomplish

University of Michigan

- Allows departments to have complete control over which classes are evaluated and what questions should appear
 - This “freedom” makes it impossible to use triggers or a standard question mapping hierarchy
 - Departments have templates (sets of questions) that are predefined
 - They assign their template in DIG
 - Blue Administrators map questions to templates using Question Bank Mapping



Template Examples

EARTH Field Course	125	D1	I developed the ability to solve real problems in this field.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Field Course	255	D3	Collaborative group activities helped me learn the material.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Field Course	892	D4	Students felt comfortable asking questions.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Field Course	893	D5	Graded assignments reflected the material covered.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Field Course	894	D6	The grades in this course were fairly determined.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Field Course	896	D7	My expected grade in this course is	Course	A, B, C, D, E
EARTH Field Course	897	D8	The course requirements were clearly defined.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Field Course	207	D2	The instructor appeared to have a thorough knowledge of the subject.	Instructor	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Field Course	900	D9	Comment on the quality of instruction in this course.	Course	Comment
EARTH Field Course	908	D11	Which aspects of this course were most valuable?	Course	Comment
EARTH Field Course	909	D12	Which aspects of this course were least valuable?	Course	Comment
EARTH Field Course	901	D10	How can the instructor improve the teaching of this course?	Instructor	Comment

EARTH Mini-course	892	D4	Students felt comfortable asking questions.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Mini-course	893	D5	Graded assignments reflected the material covered.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Mini-course	894	D6	The grades in this course were fairly determined.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Mini-course	895	D7	Students' difficulty with the material was recognized.	Course	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Mini-course	896	D8	My expected grade in this course is	Course	A, B, C, D, E
EARTH Mini-course	203	D1	The instructor stressed important points in lectures/discussions.	Instructor	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Mini-course	207	D2	The instructor appeared to have a thorough knowledge of the subject.	Instructor	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Mini-course	228	D3	The instructor followed an outline closely.	Instructor	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
EARTH Mini-course	900	D9	Comment on the quality of instruction in this course.	Course	Comment

Assigning Templates in DIG

Evaluate

Y ▼

Comments

Comb_Sect

Template

LSA - EARTH Field Cr ▼

Question Bank Mapping of Templates

View Mapping ✕

 The mapping contains errors or warnings. [Please download the log file to view detailed information.](#)

Template - LSA - EARTH	▼ Questions Mapped: 11
Template - LSA - EARTH Field Course	▼ Questions Mapped: 12
Template - LSA - EARTH Mini-Course	▼ Questions Mapped: 9
Template - LSA - EARTH Seminar	▼ Questions Mapped: 12
Template - LSA - ECON	▼ Questions Mapped: 12

View of the questionnaire

I developed the ability to solve real problems in this field. (Q125)	Strongly Agree <input type="radio"/>	Agree <input type="radio"/>	Neutral <input type="radio"/>	Disagree <input type="radio"/>	Strongly Disagree <input type="radio"/>	N/A <input type="radio"/>
Collaborative group activities helped me learn the material. (Q255)	Strongly Agree <input type="radio"/>	Agree <input type="radio"/>	Neutral <input type="radio"/>	Disagree <input type="radio"/>	Strongly Disagree <input type="radio"/>	N/A <input type="radio"/>
Students felt comfortable asking questions. (Q892)	Strongly Agree <input type="radio"/>	Agree <input type="radio"/>	Neutral <input type="radio"/>	Disagree <input type="radio"/>	Strongly Disagree <input type="radio"/>	N/A <input type="radio"/>
Graded assignments reflected the material covered. (Q893)	Strongly Agree <input type="radio"/>	Agree <input type="radio"/>	Neutral <input type="radio"/>	Disagree <input type="radio"/>	Strongly Disagree <input type="radio"/>	N/A <input type="radio"/>
The grades in this course were fairly determined. (Q894)	Strongly Agree <input type="radio"/>	Agree <input type="radio"/>	Neutral <input type="radio"/>	Disagree <input type="radio"/>	Strongly Disagree <input type="radio"/>	N/A <input type="radio"/>

What We Accomplish

Washtenaw Community College

- Adjustments in faculty assignments:
 - Instructor changes after the semester starts
 - Evaluate one or both instructors
- Allows us to change supervisors – Dean and Dept. Chair changes
- Nimble and Agile



What We Accomplish

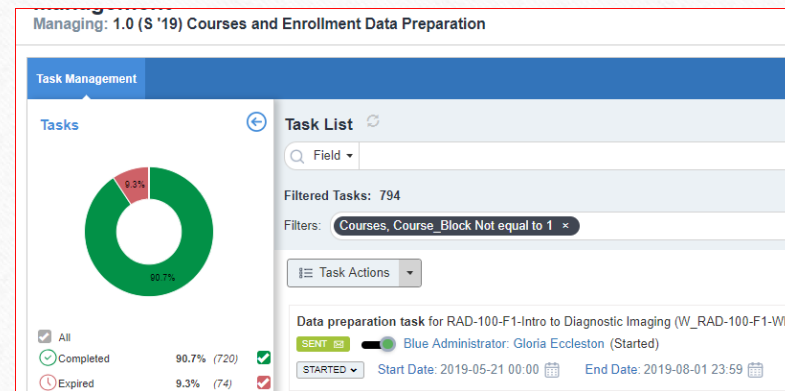
Washtenaw Community College

- Merge cross-listed classes
 - Streamlined student surveying
 - Streamlined faculty reporting
- Implement the Blackboard course site block
 - Initiative to encourage response rates



What We Accomplish

- Blackboard course site block
 - Field in DIG & Evaluation Projects
 - Unpublish task



Edit mode

- Change the modifiable field
- Default '0' course site block
- Change to '1'
- Save and Publish again

Washtenaw Community College 1.0 (S '19) Courses and Enrollment Data Preparation

0 selected / 1 found)

Status	Group	Object ID	Name
<input type="checkbox"/>	<input type="checkbox"/> Save <input type="checkbox"/> Cancel <ul style="list-style-type: none">• 1 Faculty• 32 Students• 3 Supervisors	201905-50001	RAD-1

● Valid

Object ID
201905-50001

Name
RAD-100-F1-Intro to Diagnostic Imaging

CRN
50001

SectionNumber
F1

CrossListedID

ScheduleType
Lecture

InstructionalMode
Trad-Non DL

EvaluationStart
2019-Jul-02 00:00

EvaluationEnd
2019-Jul-21 00:00

Medium
Online

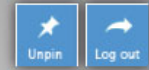
Department
Allied Health Department

Division
Health Sciences

BlackboardID
W_RAD-100-F1-WN-S19

Part_Of_Term

Course_Block
0



- General
- Field Mapping
- Blacklist and Whitelist
- Settings
- Filters
- Sync

Configure the universal pathway.

Enable pathway

Pathway Name

Created by

Include upcoming tasks days before task start date

Include expired tasks days after task end date

- Included Tasks
- Fillout
 - Question Personalization
 - Subject View Management

- Grade Points
- Value
 - Field

- Prevents Access
- Value
 - Field

Blue Course Evaluation Settings

Logo URL

Enable Login Prompt
 Yes No

Select Role : Student Teacher

Include User Level Tasks

Select Blocking Feature
 None Course block

English

Tool Description	<input type="text" value="Student Opinion Questionnaire"/>
Tool Tab-1 Title	<input type="text" value="Current Evaluations"/>
Tool Tab-2 Title	<input type="text" value="Other Tasks"/>

Login Prompt

Message *
Button Label *

Save Back

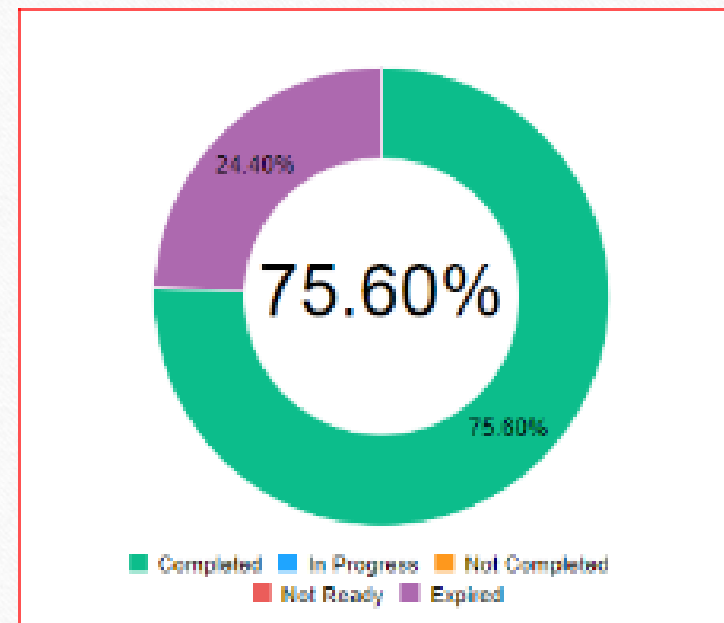
What We Accomplish

- Blackboard course site block
 - Response Rates
 - Block or target specific classes and sections
 - Slice and dice as you like



What We Accomplish

- Blackboard course site block
 - Response Rates
 - Block or target specific classes and sections
 - Slice and dice as you like



Decide How You Want to DIG

- Configure DIG data source fields
 - Display fields for sorting
 - Allow edits on fields
- Create DIG rules
 - Can set date ranges for evaluation start and end dates
 - Can create dropdown lists of values to ensure consistency
 - Can turn on access to add/remove instructors or students

Data Rule Editor

Type

Datasource ▾

Subject

Instructors ▾

Condition

Add/Remove ▾

Allow New

Data Rule Editor

Type

Record ▾

Subject

Course ▾

Field

Evaluation_start_date ▾

Condition

Date ▾

Earliest Valid Date

2019-05-16



Latest Valid Date

2019-08-23



Exclude time details

Data Rule Editor

Type

Record ▾

Subject

Course ▾

Field

Template ▾

Condition

List ▾

Selection List

DEFAULT
ART - ARTDES
ART - ADABRD
AUP - ARCH & UD
AUP - UP
BA - ROSS

(Enter one item per line. Duplicates will be removed.)

Lessons Learned

- Decide you want to do –
 - plan first
 - what do you want to sort and filter on
 - what do you want to be able to modify, and not modify
- Consider time when you create the DIG project – when do the necessary modifications end?
- Don't unmerge once you have merged unless you absolutely must



Wish List of DIG Enhancements

- Access
 - Currently works similar to instructor-course or student-course datasource (results in 30,000+ rows to give 300 departmental users access to their courses)
 - Would like to see a model similar to Report Hierarchy
- Combined Sections – need a way to ensure that changes get reflected in all the related sections

Questions?

- Lisa emeryl@umich.edu
- Gloria geccleston@wccnet.edu