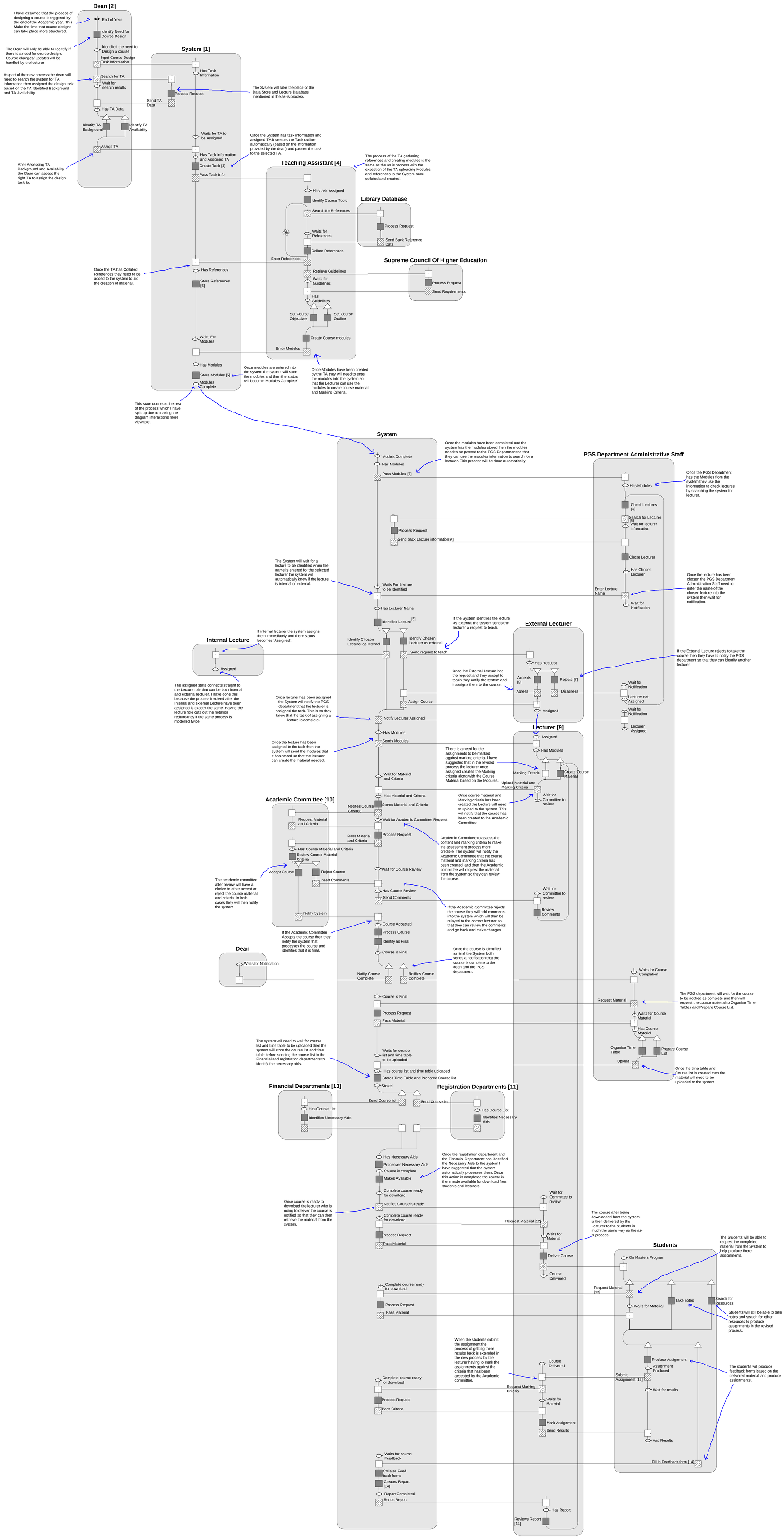
Dean [2]
I have assumed that the process of designing a course is triggered by the end of the Academic year. This Make the time that course designs can take place more structured.
End of Year
Identify Need for Course Design
The Dean will only be able to Identify if there is a need for course design. Course changes/ updates will be handled by the lecturer.
Identified the need to Design a course
Input Course Design Task Information
As part of the new process the dean will need to search the system for TA information then assigned the design task based on the TA Identified Background and TA Availability.
Search for TA
Wait for search results
Has TA Data
Identify TA Background
Identify TA Availability
Assign TA
After Assessing TA Background and Availability the Dean can assess the right TA to assign the design task to.
System [1]
Has Task Information
Process Request
The System will take the place of the Data Store and Lecture Database mentioned in the as-is process
Send TA Data
Waits for TA to be Assigned
Once the System has task information and assigned TA it creates the Task outline automatically (based on the information provided by the dean) and passes the task to the selected TA.
Has Task Information and Assigned TA
Create Task [3]
Pass Task Info
Teaching Assistant [4]
The process of the TA gathering references and creating modules is the same as the as is process with the exception of the TA uploading Modules and references to the System once collated and created.
Has task Assigned
Identify Course Topic
Library Database
Search for References
Process Request
Waits for References
Send Back Reference Data
Collate References
Enter References
Supreme Council Of Higher Education
Once the TA has Collated References they need to be added to the system to aid the creation of material.
Has References
Store References [5]
Retrieve Guidelines
Waits for Guidelines
Process Request
Send Requirements
Has Guidelines
Set Course Objectives
Set Course Outline
Create Course modules
Waits For Modules
Enter Modules
Has Modules
Store Modules [5]
Once modules are entered into the system the system will store the modules and then the status will become 'Modules Complete'.
Once Modules have been created by the TA they will need to enter the modules into the system so that the Lecturer can use the modules to create course material and Marking Criteria.
Modules Complete
This state connects the rest of the process which I have split up due to making the diagram interactions more viewable.
System
Models Complete
Has Modules
Once the modules have been completed and the system has the modules stored then the modules need to be passed to the PGS Department so that they can use the modules information to search for a lecturer. This process will be done automatically
Pass Modules [6]
PGS Department Administrative Staff
Once the PGS Department has the Modules from the system they use the information to check lectures by searching the system for lecturer.
Has Modules
Check Lectures [6]
Search for Lecturer [6]
Wait for lecturer Infromation
Process Request
Send back Lecture information [6]
Chose Lecturer
Has Chosen Lecturer
The System will wait for a lecture to be identified when the name is entered for the selected lecturer the system will automatically know if the lecture is internal or external.
Waits For Lecture to be Identified
Enter Lecture Name
Once the lecture has been chosen the PGS Department Administration Staff need to enter the name of the chosen lecture into the system then wait for notification.
Wait for Notification
Has Lecturer Name
Identifies Lecture [6]
If the System identifies the lecture as External the system sends the lecturer a request to teach.
External Lecturer
Internal Lecture
If internal lecturer the system assigns them immediately and there status becomes 'Assigned'.
Identify Chosen Lecturer as Internal
Identify Chosen Lecturer as external
Send request to teach
Assigned
Has Request
If the External Lecture rejects to take the course then they have to notify the PGS department so that they can identify another lecturer.
The assigned state connects straight to the Lecture role that can be both internal and external lecturer. I have done this because the process involved after the Internal and external Lecture have been assigned is exactly the same. Having the lecture role cuts out the notation redundancy if the same process is modelled twice.
Once the External Lecture has the request and they accept to teach they notify the system and it assigns them to the course.
Accepts [8]
Rejects [7]
Agrees
Disagrees
Wait for Notification
Lecturer not Assigned
Assign Course
Once lecturer has been assigned the System will notify the PGS department that the lecturer is assigned the task. This is so they know that the task of assigning a lecture is complete.
Notify Lecturer Assigned
Assigned
Wait for Notification
Lecturer Assigned
Lecturer [9]
Has Modules
Sends Modules
Once the lecture has been assigned to the task then the system will send the modules that it has stored so that the lecturer can create the material needed.
There is a need for the assignments to be marked against marking criteria. I have suggested that in the revised process the lecturer once assigned creates the Marking criteria along with the Course Material based on the Modules.
Marking Criteria
Create Course Material
Upload Material and Marking Criteria
Wait for Committee to review
Wait for Material and Criteria
Has Material and Criteria
Once course material and Marking criteria has been created the Lecture will need to upload to the system. This will notify that the course has been created to the Academic Committee.
Academic Committee [10]
Stores Material and Criteria
Notifies Course Created
Request Material and Criteria
Wait for Academic Committee Request
Process Request
Pass Material and Criteria
Has Course Material and Criteria
Review Course Material Criteria
Academic Committee to assess the content and marking criteria to make the assessment process more credible. The system will notify the Academic Committee that the course material and marking criteria has been created, and then the Academic committee will request the material from the system so they can review the course.
Accept Course
Reject Course
Insert Comments
Wait for Course Review
The academic committee after review will have a choice to either accept or reject the course material and criteria. In both cases they will then notify the system.
Has Course Review
Send Comments
Wait for Committee to review
Review Comments
If the Academic Committee rejects the course they will add comments into the system which will then be relayed to the correct lecturer so that they can review the comments and go back and make changes.
Notify System
Course Accepted
If the Academic Committee Accepts the course then they notify the system that processes the course and identifies that it is final.
Process Course
Identify as Final
Course is Final
Dean
Waits for Notification
Once the course is identified as final the System both sends a notification that the course is complete to the dean and the PGS department.
Notify Course Complete
Notifies Course Complete
Waits for Course Completion
Course is Final
Request Material
The PGS department will wait for the course to be notified as complete and then will request the course material to Organise Time Tables and Prepare Course List.
Process Request
Pass Material
Waits for Course Material
Has Course Material
The system will need to wait for course list and time table to be uploaded then the system will store the course list and time table before sending the course list to the Financial and registration departments to identify the necessary aids.
Organise Time Table
Prepare Course List
Upload
Waits for course list and time table to be uploaded
Has course list and time table uploaded
Stores Time Table and Prepared Course list
Once the time table and Course list is created then the material will need to be uploaded to the system.
Stored
Financial Departments [11]
Registration Departments [11]
Send Course list
Send Course list
Has Course List
Identifies Necessary Aids
Has Course List
Identifies Necessary Aids
Has Necessary Aids
Processes Necessary Aids
Course is complete
Makes Available
Once the registration department and the Financial Department has identified the Necessary Aids to the system I have suggested that the system automatically processes them. Once this action is completed the course is then made available for download from students and lecturers.
Complete course ready for download
Notifies Course is ready
Once course is ready to download the lecturer who is going to deliver the course is notified so that they can then retrieve the material from the system.
Wait for Committee to review
Complete course ready for download
Request Material [12]
Process Request
Pass Material
Waits for Material
The course after being downloaded from the system is then delivered by the Lecturer to the students in much the same way as the as-is process.
Deliver Course
Course Delivered
Students
The Students will be able to request the completed material from the System to help produce there assignments.
On Masters Program
Complete course ready for download
Request Material [12]
Process Request
Pass Material
Waits for Material
Take notes
Search for Resources
Students will still be able to take notes and search for other resources to produce assignments in the revised process.
When the students submit the assignment the process of getting there results back is extended in the new process by the lecturer having to mark the assignments against the criteria that has been accepted by the Academic committee.
Course Delivered
Produce Assignment
Assignment Produced
Complete course ready for download
Request Marking Criteria
Submit Assignment [13]
The students will produce feedback forms based on the delivered material and produce assignments.
Process Request
Pass Criteria
Waits for Material
Wait for results
Mark Assignment
Send Results
Has Results
Waits for course Feedback
Collates Feed back forms
Creates Report [14]
Report Completed
Sends Report
Fill in Feedback form [14]
Has Report
Reviews Report [14]