Do it in house

Q: quality problem usually easit to traein house and improvement an be more immediate but can be some risk of complacency.

S: can meansynchronized schedules which speed throughput of materials and information, but if the operation has external customers, internal cusoemrs may be lw priority

D: easier communications ca help D, but if the operation also has external cus, intern cust may receive low priority

F: closeness o the real needs of a business cna alert the in house operation to reuired changes, but the ability to respond may be limited by the scale and scope of internal operations

C: in house operatonons do not have to make the marginreuired by outside suppliers so the business can capture the profits which would otherwise be given to the supplier but relatively low volulmes may mean that it is difficult to gain economies of scale or the benefits of process innovation.

Buy it in outsourced supply

Q: supplier may have specilaized knowledge and more experience, also may be motivated htrough market pressures, but communication more difficult

S. S of response can be built into the supply contractwhere commercial pressures will encourage good performance, bu there may be significant transport/ delivery delays

D: late delivery penalties in the supply contract can encourage good delivery performance, bu organizational barriers may inhibit in communication

F: outsource suppliers may be larger with wider capabilities than in hots appliers and more ability to respond to changes, but mayhave to balance condicting needs of different customers

C: probably the main reasonwhy outsour and contivities, cash, personnel, activities, equipment) is so popular, outsomed companies can chieve econoies of scale and they are motivated to reflect their own costs because it directly impacts on their profits, but constant communication and coordination with supplier need to be taken into a column.

Layout types, volume and variety characteristics of layout types

Layout involves the relative positioning of transformed resources within operations and the allocation of tasks, which together dictate the flow of transformed resources, Layout – lecture room, flow – you coming in take a seat (customer), materials too

Layout types:

- 1) Fixed layout: + very high product and mix flexibility, product and customer not moved, variey of tasks for staff. –very high unit coss, scheduling spae and activites can be difficult. transforming resource is fixed, eg. Everything moving around it. In a fixed position layout, personnel, supplies, and equipment are brought to the site where the product will be assembled, rather than the product being moved through an assembly line or set of assembly stations. Very high customization, designed for specific transformed resources, high flexibility, can change the whole process according to customers requirement, high unit cost, scheduling can be difficult
- 2) Functional: + high product and mix flexibility, relatively robust int he caseof disruptions, easy to supervise. low utilization, canhave very high WIP, complex flow.